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ORIGINAL

Research Data and Management Information Section
National Institute of Dental Research
National Institutes of Health
Bethesda, Maryland

COMPLETED

INTRODUCTION

This collection of indexes was compiled from two sources, the Research Documentation Branch of the Division of Research Grants, NIH, and the Research Data and Management Information Section of the Office of Planning, Evaluation, and Communications, NIDR, for the convenience of staff in identifying research projects by subject, project number, or name of the principal investigator. Intramural projects are also listed by the performing laboratory or branch.

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National Institute of Dental Research
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Bethesda, Maryland 20892

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R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)

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R01DE 03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05632-06 Development of salivary gland secretory function (rats)

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R01DE-06955-03 Epidermal growth factor and tooth development (mice)

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P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

N Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-06740-03 Human antibody responsiveness and dental caries
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R01DE-07204-02 Family studies of early onset periodontitis (human)
R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

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P01DE-06946-03 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients

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R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)

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** R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
** P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07010-03 0005 Specialized caries research center - Immunological investigation of root surface caries
R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
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P01DE-02847-18 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
R01DE-05054-08 Periodontal disease--Microbiological studies (human)
R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)

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P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
P50DE-02668-20 0125 Regional dental research center - Significance of collagen crosslinks in tissue
P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
** R01DE-05905-05 Neural organization of complex muscles (swine)
** R01DE-06951-03 Study of F actions on human root surface caries
** R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)
R03DE-07877-01 Microcirculation of the hamster gingiva

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R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues
R03DE-07871-01 Production of capnocytophaga specific monoclonal antibodies (mice)

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R01DE-06519-02 Dental amalgams contribution to blood mercury levels
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R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)

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** R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

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P50DE-07003-03 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)

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** R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)

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R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)

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P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)

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AMINO ACIDS
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SEE ALSO AMINOSULFONIC ACIDS
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(contd)

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R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R23DE-06896-03 Nonenzymatic reactions in human dentin proteins
R01DE-06996-02 Biological molecules in the corrosion of dental alloys
R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)
R23DE-07679-01 Role of osteogenic growth factor in bone healing (rabbits, rats)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

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R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)

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AMINO ACYL TRNA
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ANALOGS OF NUCLEOSIDE PHOSPHATES
SEE NUCLEOTIDES ANALOGS, NUCLEOSIDE PHOSPHATE ANALOGS

ANALOGS OF PHENYLALANINE
SEE CYCLIC AMINO ACIDS, PHENYLALANINE ANALOGS

ANALOGS OF PROSTAGLANDINS
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS ANALOGS

ANALOGS OF VITAMIN A
SEE VITAMINS, VITAMIN A ANALOGS

ANALYSIS AND/OR EVALUATION
SEE HEALTH CARE (SERVICES) (RESOURCES) ANALYSIS AND EVALUATION

ANATOMY (GENERAL)
SEE MORPHOLOGY (GENERAL)

ANATOMY MICROSCOPIC (HISTOLOGY)
SEE HISTOLOGY (GENERAL)*

ANDROGENS
SEE ANDROSTANE SERIES, ANDROGENS

ANDROSTANE SERIES, ANDROGENS
** P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
** R01DE-06848-03 Androgen control of salivary gland EGF in cleft palate (mice)

ANDROSTANE SERIES, TESTOSTERONE
R01DE-06848-03 Androgen control of salivary gland EGF in cleft palate (mice)

ANESTHESIA, DENTAL
SEE SENSORY DEPRESSION, ANESTHESIA DENTAL

ANESTHESIA, ELECTROANESTHESIA
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ANESTHESIA, INHALATION
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

ANESTHESIA COMPLICATIONS
SEE DISEASES, COMPLICATIONS, ANESTHESIA RELATED

ANESTHETICS, LOCAL
SEE NEUROPHARMACOLOGICAL AGENTS, ANESTHETICS, LOCAL

ANGIOTENSIN CONVERTING ENZYME
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

ANIMAL AGE AND LIFE STAGES
SEE AGE (ANIMAL)

ANIMAL FEEDS
SEE FOOD, ANIMAL FEEDS

ANIMAL MODELS OF HUMAN DISEASES
SEE MODELS, DISEASE MODELS

ANIMALS (SEE SPECIFIC ANIMALS)
SEE AGE (ANIMAL)
SEE GENETICS, POPULATION GENETICS ANIMAL

ANIMALS, CHORDATES, VERTEBRATES*
R23DE-07190-02 Craniofacial ossification during anuran metamorphosis
** R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)

ANIMALS, TRANSGENIC ANIMALS
** R03DE-07597-01 Craniofacial growth in giant transgenic mice

ANION
SEE IONS, ANION

ANKYLOSIS, SURGICAL
SEE SKELETAL DISORDERS, ORTHOPEDICS, ARTHRODESIS

ANOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA

ANOXIA RESPIRATORY
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

ANTAGONISM
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE DRUGS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

ANTHROPOLOGY, PHYSICAL
SEE BODY PHYSICAL CHARACTERISTICS (GENERAL)

ANTHROPOMETRY
SEE BODY PHYSICAL CHARACTERISTICS (GENERAL)

ANTIARTHRITIC AGENTS
SEE SKELETAL DISORDERS, ARTHRITIS, ANTIARTHRITIC AGENTS

ANTIBACTERIAL AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL

ANTIBIOTICS
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS
P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
** R01DE 05622-05 Rx for dental patients at risk for endocarditis (dentists')
R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)
** R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)

ANTIBIOTICS, AMINOGLYCOSIDE ANTIBIOTICS, KANAMYCIN
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)

ANTIBIOTICS, BACTERIOCINS
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
P01DE-02847-18 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity

ANTIBIOTICS, CYCLOSPORIN A
** R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
** R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
** R03DE-07568-01 Cyclosporine-A induced gingival overgrowth in beagles (dogs)
** R03DE-07582-01 Effect of cyclosporine on human gingival fibroblasts

ANTIBIOTICS, BETA-LACTAMS, AMPICILLIN
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)

ANTIBIOTICS, BETA-LACTAMS, PENICILLIN
SEE ALSO ANTIBIOTICS, BETA-LACTAMS, AMPICILLIN
R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence

ANTIBIOTICS, BETA-LACTAMS, PENICILLIN G
** R23DE-07077-02 Cell surface regulation in a cariogenic streptococci

ANTIBIOTICS, LINCOMYCIN, CLINDAMYCIN
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology

ANTIBIOTICS, MACROLIDE ANTIBIOTICS, ERYTHROMYCIN
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)

ANTIBIOTICS, NYSTATIN
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)

ANTIBIOTICS, STREPTOZOTOCIN
R23DE-07391-02 Insulin and protein synthesis in the rat gland

ANTIBIOTICS, TETRACYCLINE
R01DE-04230-11 Comparative ultrastructure of mammalian amelogenesis (cats)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
** R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)
** R03DE-07870-01 Tetracycline binding to dentin (human)

ANTIBIOTICS, VALINOMYCIN
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)

ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

ANTIBODIES, BACTERIAL
SEE IMMUNOLOGY, ANTIBODIES BACTERIAL

ANTIBODIES, MICROBIAL
SEE IMMUNOLOGY, ANTIBODIES MICROBIAL

ANTIBODIES, VIRAL
SEE IMMUNOLOGY, ANTIBODIES VIRAL

ANTIBODIES NEOPLASTIC
SEE NEOPLASMS IMMUNOLOGY, TUMOR ANTIBODIES

ANTIBODY-ANTIGEN REACTIONS
SEE IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS

ANTIBODY BIOSYNTHESIS
SEE IMMUNOLOGY, ANTIBODY FORMATION

ANTIBODY DEPENDENT ACTIVATION OF COMPLEMENT
SEE IMMUNOLOGY, COMPLEMENT PATHWAYS

ANTIBODY DIVERSITY
SEE IMMUNOLOGY, ANTIBODY FORMATION

ANTIBODY FORMATION
SEE IMMUNOLOGY, ANTIBODY FORMATION

ANTIBODY SPECIFICITY
SEE IMMUNOLOGY, ANTIBODY SPECIFICITY

ANTIBODY STRUCTURE
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE

ANTI-CARIES VACCINE
SEE VACCINES, BACTERIAL, ANTI-CARIES VACCINE

ANTICONVULSANTS
SEE NEUROPHARMACOLOGICAL AGENTS, ANTICONVULSANTS

ANTIDEPRESSANTS
SEE PSYCHOPHARMACOLOGICAL AGENTS, ANTIDEPRESSANTS

ANTIDIURETIC HORMONE
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

ANTIDIURETIN
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

ANTIDROMIC IMPULSES
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION, ANTIDROMIC IMPULSES

ANTIFUNGAL AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIFUNGAL

ANTIGEN-ANTIBODY REACTIONS
SEE IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS

ANTIGENIC DETERMINANTS
SEE IMMUNOLOGY, ANTIGENS

ANTIGENIC DETERMINANTS OF V REGION
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

ANTIGENS
SEE IMMUNOLOGY, ANTIGENS

ANTIGENS (HISTOCOMPATIBILITY) ASSOCIATED WITH DIABETES
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES

ANTIGENS BACTERIAL
SEE IMMUNOLOGY, ANTIGENS BACTERIAL

ANTIGENS MICROBIAL
SEE IMMUNOLOGY, ANTIGENS MICROBIAL

ANTIGENS OF DIABETES
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES

ANTIGENS VIRAL
SEE IMMUNOLOGY, ANTIGENS VIRAL

ANTIINFECTIVE AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS

ANTIINFECTIVE AGENTS, ANTIBACTERIAL
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL

ANTIINFLAMMATORY AGENTS
SEE DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION, ANTIINFLAMMATORY AGENTS

ANTIMICROBIAL AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS

ANTIMICROBIAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES MICROBIAL

ANTIMYCOTIC AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIFUNGAL

ANTITHROMBIN
SEE BLOOD COAGULATION, ANTITHROMBINS

ANTITHROMBINS
SEE BLOOD COAGULATION, ANTITHROMBINS

ANTIVIRAL AGENTS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

ANTIVIRAL AGENTS IN AIDS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

ANTIVIRAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES VIRAL

ANXIETY
SEE PSYCHOLOGY, EMOTIONS, ANXIETY

ANXIETY, DENTAL
SEE DENTAL FEAR AND ANXIETY

ANXIOLYTICS
SEE PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS

APATITES
SEE CALCIUM PHOSPHATES, APATITES

APHTHOUS STOMATITIS
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

APOMORPHINE
SEE ALKALOIDS, APORPHINES, APOMORPHINE

APPENDAGES
SEE SKELETAL SYSTEM, LIMB

AQUEORIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

ARACHIDONIC ACID
SEE FATTY ACIDS, EICOSANOIDS, ARACHIDONIC ACID

ARACHNODACTYLY
SEE METABOLIC DISORDERS INBORN, MARFAN SYNDROME

AREAWIDE MEDICAL PLANNING
SEE HEALTH CARE (SERVICES) (RESOURCES) PLANNING, REGIONAL MEDICAL PLANNING

ARGININE
SEE DIAMINO ACIDS, ARGININE

ARGININE DEIMINASE
SEE AMIDINOHYDROLASES, ARGININE DEIMINASE

AROUSAL
SEE PSYCHIC ACTIVITY LEVEL, AROUSAL

ARTERENOL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

ARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS

ARTHRITIS, RHEUMATOID
SEE SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID

ARTHROBACTER
SEE BACTERIA, CORYNEFORM GROUP, ARTHROBACTER*

ARTHRODESIS
SEE SKELETAL DISORDERS, ORTHOPEDICS, ARTHRODESIS

ARTIFICIAL INTELLIGENCE
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

ARTIFICIAL TOOTH SOCKET IMPLANT
SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

ARYLSULFATASES
SEE SULFATASES, ARYLSULFATASES

ASCORBATES
SEE VITAMINS, VITAMIN C (GENERAL)

ASCORBIC ACID
SEE VITAMINS, VITAMIN C, ASCORBIC ACID

ASIAN-AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS

ASPARTAME
SEE FOOD, SWEETENING AGENTS

ASPARTIC ACID
SEE DICARBOXYLIC AMINO ACIDS, ASPARTIC ACID

ASPIRIN
SEE PHENYLCARBOXYLATES, SALICYLATES, ACETYL-

ASSAY
SEE RADIOASSAY (RADIOMETRY)

ATARAXIC DRUGS
SEE PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS

ATHYMIA
SEE BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE

ATHYMIC MICE
SEE MAMMALS, RODENTS, MYOMORPHA, ATHYMIC MICE (NUDE)*

ATP
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ATP

ATPASE
SEE PHOSPHATASES, ADENOSINE TRIPHOSPHATASE

ATP PHOSPHOHYDROLASE
SEE PHOSPHATASES, ADENOSINE TRIPHOSPHATASE

ATROPINE
SEE TROPANES, ATROPINE

ATTENTION
SEE PSYCHIC ACTIVITY LEVEL, ATTENTION

ATTITUDE TO HEALTH AND HEALTH PROBLEMS
SEE PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS

AU
SEE METALS, HEAVY METALS, GOLD (COMPOUNDS)

AUDIOSTIMULUS
SEE EAR, HEARING, AUDIOSTIMULUS

AUSTRALIAN ANTIGEN (AUA)
SEE IMMUNOLOGY, ANTIGENS VIRAL, HEPATITIS B ANTIGEN (HBAG)

AUTACOIDS
SEE IMIDAZOLES, HISTAMINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES

AUTOGENEIC TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUTOGENIC CONDITIONING (TRAINING)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

AUTOGRAFT
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUTOIMMUNE DISORDERS
SEE IMMUNOPATHOLOGY, AUTOIMMUNE DISORDERS

AUTOIMMUNE FOREIGN TRANSPLANT DISEASE
SEE TISSUE COMPATIBILITY-TRANSPLANT, GRAFT VERSUS HOST REACTIONS

AUTOLOGOUS TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AUTOMATED ANALYTICAL PROCESSING AND CONTROL SYSTEMS
SEE BIOMEDICAL SYSTEMS AUTOMATED

AUTOMATED BIOMEDICAL FACILITIES
SEE BIOMEDICAL SYSTEMS AUTOMATED

AUTONOMIC CONDITIONING
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

AUTONOMIC NERVOUS SYSTEM
SEE NERVOUS SYSTEM AUTONOMIC

AUTOPROTHROMBIN III
SEE BLOOD COAGULATION, FACTOR X

AUTOSENSITIZATION
SEE IMMUNOPATHOLOGY, AUTOIMMUNE DISORDERS

AUTOSOMAL RECESSIVE CONDITIONS
SEE GENETIC DISORDERS, AUTOSOMAL RECESSIVE CONDITIONS

AUTOTRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

AVIDIN
SEE ALBUMINS, AVIDIN

AVOIDANCE CONDITIONING
SEE PSYCHOLOGY, CONDITIONING, AVOIDANCE

AWARENESS
SEE PSYCHOLOGY, COGNITION, AWARENESS

AXEROL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

AXONS
SEE NERVOUS SYSTEM, NEURONS, AXONS

AZEPINES, BENZODIAZEPINES, DIAZEPAM
P01DE-06946-03 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carrisprodol in MPD syndrome chemotherapy (human)

AZETIDINE CARBOXYLIC ACIDS
R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)

B LOCUS (CHICKEN)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

B LYMPHOCYTES
SEE BLOOD CELLS, B LYMPHOCYTES

B-50 PROTEIN KINASE
SEE PHOSPHOTRANSFERASES, PROTEIN KINASES, PROTEIN KINASE C

BABY FOODS
SEE FOOD, INFANT FOODS

BACILLUS PILIFORMIS
SEE BACTERIA, GRAM-NEGATIVE*

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

BACILLUS SUBTILIS
SEE BACTERIA, BACILLACEAE, BACILLUS SUBTILIS*

BACKGROUND RADIATION FROM ENVIRONMENT
SEE RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL

BACTERIA (GENERAL)*
SEE ALSO GENETICS, MICROBIAL, BACTERIAL
SEE ALSO MICROBIAL ORAL FLORA
SEE ALSO PIGMENTS, BACTERIAL
SEE ALSO VACCINES, BACTERIAL (GENERAL)
** P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02623-19 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
** P50DE-02623-19 0034 Center for oral health research - Bacterial components inducing bone resroption
** P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
** P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)
** R01DE-03739-14 Glycosyltransferases from oral bacteria
R01DE-05054-08 Periodontal disease--Microbiological studies (human)
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
** R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
** R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
** P50DE-07010-03 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
** R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
** R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
** R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)
** R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

BACTERIA, ACTINOMYCETALES*
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BACTERIA, ACTINOMYCETALES, ACTINOMYCES*
P50DE-02600-20 0014 Support for oral biology research center - Perindontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
P50DE-05139-09 0001 Clinical research center for periodontal disease - Microbiology (human)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
** R01DE-05429-07 Adherence of periodontal disease-associated bacteria
** R01DE-06127-04 Acid-base physiology of oral streptococci
R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
R01DE-06945-04 Characterization of microbial lectins
** P50DE-07003-03 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)
P50DE-07009-03 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07009-03 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
** P50DE-07009-03 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
P50DE-07010-03 0005 Specialized caries research center - Immunological investigation of root surface caries
P50DE-07010-03 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
P50DE-07010-03 0009 Specialized caries research center - Microbiological aspects of root surface caries
P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme
R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

BACTERIA, ACTINOMYCETALES, BACTERIONEMA*
R43DE-07707-01 Anti-calculus agents

BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
R01DE-06945-04 Characterization of microbial lectins

BACTERIA, BACILLACEAE, BACILLUS SUBTILIS*
P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans

BACTERIA, BACTEROIDACEAE, BACTEROIDES*
P50DE-02600-20 0047 Support for oral biology research center - Genetic aspects of periodontal diseases
R01DE-03488-15 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-06030-05 Metronidazole therapy in periodontal disease (human)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
** P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
** R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
R23DE-07473-01 Host processing of LPS in periodontitis (mice)
** R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)
R01DE-07606-01 Complement and periodontal pathogenic microorganisms
** R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)
R23DE-07746-01 Non-invasive assessment of periodontal disease activity (monkeys)
R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

BACTERIA, BACTEROIDACEAE, BACTEROIDES MELANINOGENICUS*
P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BACTERIA, BACTEROIDACEAE, FUSOBACTERIA*
P50DE-02600-20 0047 Support for oral biology research center - Genetic aspects of periodontal diseases
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
P23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
R01DE-06945-04 Characterization of microbial lectins
P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
R23DE-07746-01 Non-invasive assessment of periodontal disease activity (monkeys)
R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

BACTERIA, BRUCELLACEAE, HEMOPHILUS*
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

BACTERIA, BRUCELLACEAE, HEMOPHILUS PARAINFLUENZAE*
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite

BACTERIA, CORYNEFORM GROUP, ARTHROBACTER*
P50DE-07009-03 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)

BACTERIA, ENTERIC (GENERAL)*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*
R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

BACTERIA, ENTEROBACTERIACEAE, ESCHERICHIA COLI*
P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans
R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)

BACTERIA, ENTEROBACTERIACEAE, SALMONELLA*
P50DE-02623-19 0034 Center for oral health research - Bacterial components inducing bone resroption

BACTERIA, ENTEROBACTERIACEAE, SERRATIA MARCESCENS*
P50DE-02623-19 0034 Center for oral health research - Bacterial components inducing bone resroption

BACTERIA, GRAM-NEGATIVE*
SEE ALSO BACTERIA, METHANOBACTERIACEAE*
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02600-20 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
R01DE-03488-15 Microbial composition of developing dental plaque (human, bacteria)
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
** R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-06989-02 Neutrophil function in periodontal disease (human)
** R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
** R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
** R23DE-07473-01 Host processing of LPS in periodontitis (mice)
R03DE-07871-01 Production of capnocytophaga specific monoclonal antibodies (mice)

BACTERIA, GRAM-NEGATIVE, ACTINOBACILLUS
** P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** P50DE-02623-19 0034 Center for oral health research - Bacterial components inducing bone resroption
** R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
** R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
** R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)
** R23DE-07616-01 Flow cytometric analysis of oral actinobacillus
R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

BACTERIA, GRAM-POSITIVE*
SEE ALSO BACTERIA, ACTINOMYCETALES, ACTINOMYCES*
SEE ALSO BACTERIA, ACTINOMYCETALES, BACTERIONEMA*
SEE ALSO BACTERIA, METHANOBACTERIACEAE*
SEE ALSO BACTERIA, STREPTOCOCCACEAE*
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R23DE-07077-02 Cell surface regulation in a cariogenic streptococci

BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS*
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
** R01DE-06127-04 Acid-base physiology of oral streptococci
P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects

BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS ACIDOPHILUS*
P50DE-07010-03 0009 Specialized caries research center - Microbiological aspects of root surface caries

BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS CASEI*
** R01DE-06127-04 Acid-base physiology of oral streptococci
P50DE-07010-03 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
P50DE-07010-03 0005 Specialized caries research center - Microbiological aspects of root surface caries

BACTERIA, METHANOBACTERIACEAE*
** R03DE-07856-01 Methanogenic bacteria in subgingival dental plaque (human)

BACTERIA, NEISSERIACEAE, VEILLONELLA*
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-07010-03 0009 Specialized caries research center - Microbiological aspects of root surface caries
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BACTERIA, PROPIONIBACTERIACEAE, PROPIONIBACTERIUM*
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)

BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*
SEE ALSO BACTERIA, PSEUDOMONADALES, VIBRIO*
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)

BACTERIA, PSEUDOMONADALES, VIBRIO*
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
P50DE-05139-09 0001 Clinical research center for periodontal disease - Microbiology (human)

BACTERIA, SPIROCHETES*
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
R01DE-03488-15 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-04645-09 A genetic biochemical analysis of spirochete motility (mice)
R01DE-05054-08 Periodontal disease--Microbiological studies (human)
P50DE-05139-09 0001 Clinical research center for periodontal disease - Microbiology (human)
R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R03DE-07671-01 Production of capnocytophaga specific monoclonal antibodies (mice)

BACTERIA, SPIROCHETES, LEPTOSPIRA*
R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)

BACTERIA, SPIROCHETES, TREPONEMA*
SEE ALSO BACTERIAL DISEASES, SPIROCHETAL DISEASES, TREPONEMAL INFECTIONS
R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)
P50DE-05139-09 0001 Clinical research center for periodontal disease - Microbiology (human)
R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)

BACTERIA, STREPTOCOCCACEAE*
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite

BACTERIA, STREPTOCOCCACEAE, LEUCONOSTOC*
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*
SEE ALSO BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS
** P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory
** R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
** R01DE-06127-04 Acid-base physiology of oral streptococci
P50DE-07009-03 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
P50DE-07009-03 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
P50DE-07010-03 0005 Specialized caries research center - Immunological investigation of root surface caries
** R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci
** R01DE-07199-02 Adherence factors of oral streptococci (human)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
** R03DE-07565-01 Ecological competition among oral streps

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*
R01DE-06127-04 Acid-base physiology of oral streptococci

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, VIRIDANS GROUP*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*
R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MUTANS*
** P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
** P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
** P50DE-02670-20 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
** R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
** R01DE-03487-15 Inhibition of human cariogenic streptococci
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s mutants)
** R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
** R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
** R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
** R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
** R01DE-06071-03 Calcium metabolism in Streptococcus mutans
** R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06127-04 Acid-base physiology of oral streptococci
** R01DE-06153-05 Antibody to glucosyltransferase in adults and children
** R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
R01DE-06945-04 Characterization of microbial lectins
P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans
P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07009-03 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
P50DE-07009-03 0008 Specialized caries research centers - Dental materials (monkeys)
P50DE-07010-03 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
P50DE-07010-03 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
P50DE-07010-03 0009 Specialized caries research center - Microbiological aspects of root surface caries
P50DE-07010-03 0010 Specialized caries research center - TSRLM project
** R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
R01DE-07199-02 Adherence factors of oral streptococci (human)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor
** R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)
R03DE-07565-01 Ecological competition among oral streps
R03DE-07716-01 In vivo mercury and methyl mercury levels
** R03DE-07724-01 Microbial tests in the management of dental caries (human)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme
** R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)
** R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SANGUIS*
P50DE 02623-19 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
** R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
** R01DE-06127-04 Acid-base physiology of oral streptococci
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)
R01DE-06945-04 Characterization of microbial lectins
** P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07010-03 0009 Specialized caries research center - Microbiological aspects of root surface caries
R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci
R01DE-07199-02 Adherence factors of oral streptococci (human)
** R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07257-03 IgA protease and dental caries
R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor
R03DE-07565-01 Ecological competition among oral streps
R03DE-07587-01 Antibody responses to IgA1 and IgG protease
R03DE-07716-01 In vivo mercury and methyl mercury levels
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

BACTERIA, SPIRAL AND CURVED
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*

BACTERIAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES BACTERIAL

BACTERIAL ANTIGENS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL

BACTERIAL CAPSULE
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)

BACTERIAL CATABOLISM OF TOXIC SUBSTANCES
SEE MICROORGANISMS METABOLISM

BACTERIAL DISEASES
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL
SEE ALSO IMMUNOLOGY, ANTIBODIES BACTERIAL
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO TOXICOLOGY, BACTERIAL
SEE ALSO VACCINES, BACTERIAL (GENERAL)
** R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
** R01DE-07128-03 Microbiology of ligature-induced periodontitis (monkeys)
R13DE-07469-01 Symposium on oral mucosal diseases

BACTERIAL DISEASES, ACTINOMYCETALES INFECTIONS
** R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)

BACTERIAL DISEASES, CYTOPATHOGENIC EFFECT BACTERIAL
R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

BACTERIAL DISEASES, SPIROCHETAL DISEASES (GENERAL)
** R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
** R01DE-07128-03 Microbiology of ligature-induced periodontitis (monkeys)

BACTERIAL DISEASES, SPIROCHETAL DISEASES, TREPONEMAL INFECTIONS
SEE ALSO BACTERIA, SPIROCHETES, TREPONEMA*
R01DE-07606-01 Complement and periodontal pathogenic microorganisms

BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*
** R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

BACTERIAL DNA
SEE NUCLEIC ACIDS, DNA BACTERIAL

BACTERIAL ENDOCARDITIS
SEE HEART DISORDERS, ENDOCARDITIS BACTERIAL

BACTERIAL GENETICS
SEE GENETICS, MICROBIAL, BACTERIAL

BACTERIAL METABOLISM
SEE MICROORGANISMS METABOLISM

BACTERIAL PERMEASES
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES

BACTERIAL PIGMENTS
SEE PIGMENTS, BACTERIAL

BACTERIAL POLYSACCHARIDES
SEE POLYSACCHARIDES, BACTERIAL (GENERAL)

BACTERIAL PROTEINS
SEE PROTEINS, BACTERIAL (GENERAL)

BACTERIAL TOXICOLOGY
SEE TOXICOLOGY, BACTERIAL

BACTERIAL TOXINS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)

BACTERIAL VACCINES
SEE VACCINES, BACTERIAL (GENERAL)

BACTERIAL VIRUSES
SEE VIRUSES, BACTERIOPHAGE*

BACTERICIDAL DEFENSES OF BODY (GENERAL)
SEE IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)

BACTERICIDES
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL

BACTERIOCINS
SEE ANTIBIOTICS, BACTERIOCINS

BACTERIOLOGY AND MYCOLOGY STUDY SECTION
** R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-07168-03 Membrane function during germination of Candida albicans (mice)

BACTERIONEMA
SEE BACTERIA, ACTINOMYCETALES, BACTERIONEMA*

BACTERIOPHAGE
SEE VIRUSES, BACTERIOPHAGE*

BACTERIOTROPINS
SEE IMMUNOLOGY, ANTIBODIES, OPSONINS

BACTERIUM COMITANS
SEE BACTERIA, GRAM-NEGATIVE, ACTINOBACILLUS

BACTEROIDES
SEE BACTERIA, BACTEROIDACEAE, BACTEROIDES*

BACTEROIDES MELANINOGENICUS
SEE BACTERIA, BACTEROIDACEAE, BACTEROIDES MELANINOGENICUS*

BANK, TISSUE
SEE TISSUE RESOURCES, REGISTRIES

BARORECEPTORS
SEE SENSE ORGANS, PRESSORECEPTORS

BARRIER MODEL
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

BASEMENT MEMBRANE
SEE MEMBRANE, BASEMENT MEMBRANE

BASOLATERAL AREA (MEMBRANE)
SEE CELL COMPONENTS, CELL MEMBRANE, BASOLATERAL AREA

BASOPHIL CHEMOTACTIC FACTOR (BCF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

BEHAVIOR
SEE PSYCHOLOGY, BEHAVIOR

BEHAVIOR ASSESSMENT-MEASUREMENT
SEE PSYCHOLOGICAL TESTS, BEHAVIOR ASSESSMENT-MEASUREMENT*

BEHAVIOR RATING SCALES
SEE PSYCHOLOGICAL TESTS, BEHAVIOR ASSESSMENT-MEASUREMENT*

BEHAVIORAL MEDICINE
SEE ALSO HEALTH, SELF CARE
SEE ALSO PSYCHOBIOLOGY
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY, PSYCHOPHYSIOLOGIC DISORDERS
SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
SEE ALSO PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL
SEE ALSO THERAPY COMPLIANCE
** R01DE-04358-10 Treatment of temporomandibular joint pain (human)
** R01DE-05497-05 Dental disease and work loss (human)
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
** R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06219-04 Facial behavior related to acute dental pain (human)
** R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** R23DE-06865-03 Child desensitization for dental visits (human)
** R01DE-06950-01 Epidemiology of dental fear (human)
** R01DE-07353-01 Increasing orthodontic treatment compliance in children (human)
** R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)
** R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
** P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
** R01DE-07718-01 Professional education and patient periodontal health
** R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)
** R01DE-07978-01 Increasing orthodontic treatment compliance in children (human)

BEHAVIORAL MEDICINE STUDY SECTION
SEE ALSO BEHAVIORAL MEDICINE
** R01DE-04358-10 Treatment of temporomandibular joint pain (human)
** R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
** R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06219-04 Facial behavior related to acute dental pain (human)
** R01DE-06417-03 Factors influencing long-term oral self-care (human)
** R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** R23DE-06865-03 Child desensitization for dental visits (human)
** R01DE-06950-01 Epidemiology of dental fear (human)
** R01DE-07353-01 Increasing orthodontic treatment compliance in children (human)
** R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
** R01DE-07978-01 Increasing orthodontic treatment compliance in children (human)

BEHAVIORAL MODELS
SEE MODELS, PSYCHOLOGICAL MODELS

BEHAVIORAL NUTRITION
SEE NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR

BEHAVIORAL SCIENCES AND RELATED FIELDS
SEE NERVOUS DISORDERS (GENERAL)
SEE NEUROANATOMY
SEE NEUROCHEMISTRY
SEE NEUROLOGIC MANIFESTATIONS
SEE NEUROPHARMACOLOGY
SEE NEUROPHYSIOLOGY (GENERAL)
SEE PSYCHIC ACTIVITY LEVEL
SEE PSYCHOBIOLOGY
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY, PSYCHOPHYSIOLOGIC DISORDERS
SEE PSYCHOLOGY, NEUROPSYCHOLOGY (GENERAL)
SEE PSYCHOMETRICS
SEE PSYCHOMOTOR DISORDERS
SEE PSYCHOMOTOR FUNCTION
SEE PSYCHOPHYSICS

BEHCET'S SYNDROME
SEE DISEASES, SYNDROMES NOT LISTED ELSEWHERE, BEHCET'S SYNDROME

BENZANTHRACENES
SEE CYCLICS, CARBOPOLYCYCLICS, BENZANTHRACENES

BENZAZOCINES, PENTAZOCINE
R01DE-05369-08 Factors affecting dental postoperative pain (human)

(cont'd)

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BENZOATES
SEE PHENYLCARBOXYLATES, BENZOATES

BENZODIOXINS
SEE OXINS, DIOXANES

BENZOIC ACID, BENZOATES
SEE PHENYLCARBOXYLATES, BENZOATES

BENZOPYRROLE CARBOXYLIC ACIDS, INDOMETHACIN
P50DE-02623-19 0035 Center for oral health research - Cellular aspects of the murine IgA response
R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)

BENZOPYRROLES, PHTHALIMIDES, THALIDOMIDE
R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)

BENZOPYRROLES, SEROTONIN
P50DE 02668-20 0168 Regional dental research center - Platelets and thrombin (human)
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)

BENZYLPENICILLINIC ACID
SEE ANTIBIOTICS, BETA-LACTAMS, PENICILLIN G

BETA RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, BETA RECEPTORS

BETAHERPESVIRINAE
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

BETELNUT
SEE PLANTS, CROPS AND FOODS, FRUITS, BETELNUT*

BICARBONATES
SEE CARBONATES, BICARBONATES

BICYCLIC COMPOUNDS (GENERAL)
R43DE-07543-01 Dental restoratives from polymers that expand when cured

BINDING (CHEMICAL)
SEE CHEMICAL BONDS, BINDING AND BINDING SITES

BINDING PROTEINS
SEE PROTEIN BINDING

BINDING REAGENTS
SEE METAL COMPLEXES, LIGANDS

BINDING SITES
SEE CHEMICAL BONDS, BINDING AND BINDING SITES

BIOAVAILABILITY OF DRUGS
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

BIOBEHAVIOR STUDIES (OTHER THAN NEUROPSYCHOLOGY)
SEE PSYCHOBIOLOGY

BIOCHEMICAL ENDOCRINOLOGY STUDY SECTION
** R01DE-06818-03 Androgen control of salivary gland EGF in cleft palate (mice)

BIOCHEMICAL GENETICS
SEE GENETICS, BIOCHEMICAL GENETICS

BIOCHEMICAL PHARMACOLOGY
SEE DRUGS, PHARMACOLOGY, BIOCHEMICAL

BIOCHEMISTRY (GENERAL)*
SEE ALSO BIOCHEMISTRY STUDY SECTION
SEE ALSO HISTOCHEMISTRY AND CYTOCHEMISTRY (GENERAL)*
SEE ALSO IMMUNOCHEMISTRY
SEE ALSO MOLECULAR BIOLOGY (GENERAL)
SEE ALSO NEUROCHEMISTRY
SEE ALSO PATHOBIOCHEMISTRY STUDY SECTION
SEE ALSO PHOTOCHEMISTRY
SEE ALSO PHYSIOLOGICAL CHEMISTRY STUDY SECTION
P50DE-02668-20 0125 Regional dental research center - Significance of collagen crosslinks in tissue
** P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myelobiastoma (chick embryo)
R01DE-04385-11 Mechanism of dental caries
** R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
** R01DE-07376-02 Biochemical profile for gingival crevicular fluid
** R03DE-07714-01 Biochemical responses in plaque fluid to reference foods

BIOCHEMISTRY STUDY SECTION
** R01DE-07201-01 Rat parotid exocytosis (also rabbits)
** R01DE-08058-01 The adhesive of Mytilus byssus

BIOCYBERNETICS (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

BIOELECTRICITY
SEE ELECTROPHYSIOLOGY

BIOENGINEERING
SEE BIOMEDICAL ENGINEERING

BIOEQUIVALENCE OF DRUGS
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

BIOFEEDBACK CONDITIONING (TRAINING)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

BIOGENIC AMINES, NEURAL
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

BIOHAZARDS OF ORGANISMS OR THEIR PRODUCTS, AND THEIR CONTROL
SEE INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)

BIOLOGICAL BASIS (CORRELATES) OF BEHAVIOR
SEE PSYCHOBIOLOGY

BIOLOGICAL MODELS
SEE MODELS, BIOLOGICAL

BIOLOGICAL PREPARATIONS AND STANDARDIZATION
SEE ALSO IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)
** R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)

BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION
P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** R43DE-07823-01 Microbial production of protein adhesive (mussels)

BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCED WITHOUT GENETIC MANIPULATION
SEE ALSO MICROORGANISMS METABOLISM
R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)
R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)

BIOLOGICAL STRESS
SEE STRESS

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
SEE ALSO CELL INGESTION, PINOCYTOSIS
SEE ALSO CELL SECRETION, EXOCYTOSIS
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)
SEE ALSO KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-06429-05 Influence of acid-base status on fluoride metabolism (mammals)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS
SEE ALSO BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CALCIUM PUMP
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
P50DE-02623-19 0030 Center for oral health research - Cellular control of mineralization
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
R01DE-04897-06 Functional development of salivary glands (rats)
** R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06071-03 Calcium metabolism in Streptococcus mutans
** R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)
R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CHLORIDE PUMP
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, POTASSIUM PUMP
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM PUMP
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)

BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM-POTASSIUM PUMP
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-05586-06 Cell surface studies of the enamel organ (mice)

BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT
SEE ALSO BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION
R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
** R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)

BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT
** R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
** P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
R01DE-04385-11 Mechanism of dental caries
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-05354-09 Prevention of dental caries
R01DE-06127-04 Acid-base physiology of oral streptococci
** R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
** R01DE-06429-05 Influence of acid-base status on fluoride metabolism (mammals)
R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
R01DE-06951-03 Study of F actions on human root surface caries
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)
R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)
SEE ALSO ANTIBIOTICS, VALINOMYCIN
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P50DE-02623-19 0030 Center for oral health research - Cellular control of mineralization
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-05249-07 Salivary secretion - role of calcium (mice)

BIOLOGICAL TRANSPORT, MEMBRANE MODELS
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)

BIOLOGICAL TRANSPORT, MEMBRANE MODELS, LIPOSOMES
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06071-03 Calcium metabolism in Streptococcus mutans
R01DE-06533-04 Vesicles and endochondral bone formation (chickens)

BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE ALSO CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)
SEE ALSO KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
SEE ALSO MEMBRANE, MEMBRANE (BIOLOGICAL) STRUCTURE
SEE ALSO PREGNANCY CIRCULATION, PLACENTAL TRANSFER
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
** P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
** P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
R37DE-03187-15 Transport in enamel and solubility of enamel (human)
R01DE-03301-16 Connective tissues of the periodontium (human, dog)
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
R01DE-05251-07 Salivary gland secretory mechanisms (rats)
** R01DE-05253-07 Measurements of enamel permeability as related to caries (human)
** R01DE-05586-06 Cell surface studies of the enamel organ (mice)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06127-04 Acid-base physiology of oral streptococci
** R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)
R23DE-07391-02 Insulin and protein synthesis in the rat gland
** R03DE-07439-01 In vitro studies of intestinal fluoride absorption (dogs)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)

BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION
R01DE-04385-11 Mechanism of dental caries
R01DE-05289-08 Uptake and binding by early enamel matrix (rats)

BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS
SEE ALSO CELL SECRETION, EXOCYTOSIS
SEE ALSO ORAL-PHARYNGEAL, SALIVATION
** R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-04230-11 Comparative ultrastructure of mammalian amelogenesis (cats)
** R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05249-07 Salivary secretion - role of calcium (mice)
** R01DE-05251-07 Salivary gland secretory mechanisms (rats)
R01DE-05586-06 Cell surface studies of the enamel organ (mice)
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
** R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
** R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
** R01DE-06892-03 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-06952-03 Enamel secretory matrix protease (cattle, rats)
R01DE-06955-03 Epidermal growth factor and tooth development (mice)
** R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
** R01DE-07201-01 Rat parotid exocytosis (also rabbits)
** R01DE-07341-02 Second messenger function in exocrine glands (rats)
R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)
** R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)
** R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS, EXCRETION
P01DE-01850-23 0093 Nutritional sources and metabolic roles of fluoride - Effect of calcium deficiency on the mobilization of skeletal fluoride (rats)

BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS
SEE ALSO BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
P50DE-02623-19 0030 Center for oral health research - Cellular control of mineralization
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)

BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-06071-03 Calcium metabolism in Streptococcus mutans

BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
SEE ALSO ENDOCRINOLOGY, HORMONE BINDING PROTEINS
SEE ALSO PROTEIN BINDING
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P50DE-02623-19 0030 Center for oral health research - Cellular control of mineralization
R01DE-06071-03 Calcium metabolism in Streptococcus mutans

BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES
R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans

BIOLOGICALS RESOURCES
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

BIOLOGY, POLYMORPHISM
R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

BIOLOGY, SYSTEMATIC
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)
** R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci

BIOLOGY, SYSTEMATIC, GENETIC STRAINS
P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
** P50DE-02670-20 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-05429-07 Adherence of periodontal disease-associated bacteria
** R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci
** R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)
R03DE-07856-01 Methanogenic bacteria in subgingival dental plaque (human)

BIOLOGY, SYSTEMATIC, SPECIES
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
R01DE-04123-10 Formation/stability of apatites
R23DE-07325-01 Orofacial coordination during feeding
R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)

BIOMATERIALS
SEE ALSO DENTAL MATERIALS
SEE ALSO ORAL-FACIAL RESTORATION MATERIALS
SEE ALSO PROSTHESIS
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT
R43DE-07823-01 Microbial production of protein adhesive (mussels)

BIOMATERIALS, BIOMATERIALS EVALUATION
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
** P50DE-02668-20 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
** P50DE-02668-20 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02668-20 0150 Regional dental research center - Polymerization of tooth restorative composite materials
** P50DE-02668-20 0191 Regional dental research center - Clinical study of restorative materials
** R01DE-02936-18 Relationship of microstructure to behavior of amalgam
** R01DE-05980-03 Stress analysis of mandibular partial dentures
R01DE-06112-06 Filled sealant as a conservative restorative material (human)
R01DE-06201-02 Water sorption of glassy dental polymers
** R01DE-06374-05 Semi- and nonprecious metal-porcelain systems
R01DE-06519-02 Dental amalgams contribution to blood mercury levels
** R01DE-06720-03 Resistance of various restorative materials
** R01DE-06762-03 Development of an advanced artificial oral environment
** R01DE-06996-02 Biological molecules in the corrosion of dental alloys
** R23DE-07079-02 Effect of composition on fracture and creep of composite
R01DE-07216-01 Clinical and laboratory study of Cu-base dental alloys (animals)
** R03DE-07296-01 New technique for cement biocompatibility
** R01DE-07374-02 Effectiveness of dental clinical evaluation techniques (human)
R43DE-07387-01 Complete orthodontic positioner elastic (COPE)
** R03DE-07451-01 Inducing osteogenesis in hydroxylapatite with DC current (dogs)
R43DE-07543-01 Dental restoratives from polymers that expand when cured
** R03DE-07552-01 Evaluation of calcium phosphate as a root canal filling (monkeys)
R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)
** R03DE-07611-01 Fractographic analysis of dental porcelain
** R01DE-07644-01 Evaluation of mercury release from dental amalgams
** R01DE-07806-01 Thermally induced changes in dental porcelain expansion
R43DE-07832-01 New improved dental composites
R03DE-07863-01 Characterization of a castable ceramic material
** R23DE-07964-01 Wear-corrosion studies of dental materials

BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
** R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-05980-03 Stress analysis of mandibular partial dentures
R01DE-06112-06 Filled sealant as a conservative restorative material (human)

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**Oriented significantly to above subject

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P50DE-07009-03 0008 Specialized caries research centers - Dental materials (monkeys)
R01DE-07087-01 Dental investment burnout and expansion as effected by microwave
** F43DE-07387-01 Complete orthodontic positioner elastic (COPE)
** R43DE-07532-01 New restorative dental resins
** R43DE-07543-01 Dental restoratives from polymers that expand when cured
** R01DE-07754-01 Dissolution of mercury from dental amalgams
R01DE-07806-01 Thermally induced changes in dental porcelain expansion
** R43DE-07832-01 New improved dental composites

BIOMATERIALS, INTERFACIAL PHENOMENA
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)
** R23DE-06987-02 Study of surfactant use in restorative materials
** R03DE-07589-01 Retentive strength of a bonded resin-etched interface
** R03DE-07736-01 Periodontal healing adjacent to artificial surfaces (dogs, monkeys)

BIOMATERIALS EVALUATION
SEE BIOMATERIALS, BIOMATERIALS EVALUATION

BIOMATERIALS DESIGN
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

BIOMATERIALS IMPLANTS AND COMPATIBILITY
** P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
R01DE-07216-01 Clinical and laboratory study of Cu-base dental alloys (animals)
** R03DE-07296-01 New technique for cement biocompatibility
** R01DE-07332-02 Analysis of utility of implants in craniofacial research
R03DE-07552-01 Evaluation of calcium phosphate as a root canal filling (monkeys)

BIOMATERIAL-TISSUE SURFACE INTERACTIONS
SEE BIOMATERIALS, INTERFACIAL PHENOMENA

BIOMECHANICS
SEE BIOPHYSICS, BIOMECHANICS

BIOMEDICAL DATA COMPUTER PROCESSING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

BIOMEDICAL ECONOMICS
SEE HEALTH ECONOMICS

BIOMEDICAL ENGINEERING
P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R01DE-03953-12 Force systems from orthodontic appliances
** P50DE-07117-02 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
** R43DE-07835-01 Computer aided dentistry

BIOMEDICAL ENGINEERING, INSTRUMENTATION CLINICALLY ORIENTED
** R01DE-05761-07 Improved dental instruments and materials
** R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
** R44DE-06932-03 A periodontal temperature probe (human)
P50DE-07010-03 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
** R01DE-07464-01 Low dose image receptors for intra oral dental radiography
** R43DE-07700-01 Compton scatter tomography for maxillodental imaging
** R01DE-07787-01 Functional orthopedic magnetic appliances (monkeys)
** R43DE-07817-01 A system to monitor mandibular movements in real time
** R43DE-07835-01 Computer aided dentistry

BIOMEDICAL ENGINEERING, INSTRUMENTATION NOT CLINICALLY ORIENTED
** R01DE-07087-01 Dental investment burnout and expansion as effected by microwave
** R03DE-07838-01 Phototransduction as a velopharyngeal biofeedback technique (human)

BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY
** R01DE-07464-01 Low dose image receptors for intra oral dental radiography
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)

BIOMEDICAL FACILITIES
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED
** P50DE-07118-02 9001 Periodontal diseases research center - Core--Data processing and statistics
** P01DE-07687-05 9001 Regeneration and transplantation of skeletal muscle - Morphology core
** P01DE-07687-05 9002 Regeneration and transplantation of skeletal muscle - Physiology core
** R01DE-08112-01 9001 Oral manifestations of the acquired immunodeficiency syndrome - Core Data flow and management

BIOMEDICAL REGISTRIES AND REFERRAL CENTERS
SEE ALSO HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES
SEE ALSO TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
SEE ALSO TISSUE RESOURCES, REGISTRIES
M P01DE-05837-05 Growth, surgical, and speech aspects of cleft palate
** P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
P50DE-07118-02 9001 Periodontal diseases research center - Core--Data processing and statistics

BIOMEDICAL SYSTEMS AUTOMATED
SEE ALSO COMPUTER (GENERAL) INCL COMPUTER DATA PROCESSING (GENERAL)
SEE ALSO OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*
** R43DE-07835-01 Computer aided dentistry

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
R01DE-06720-03 Resistance of various restorative materials

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF CLINICAL DATA
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING
** P50DE-07118-02 9001 Periodontal diseases research center Core--Data processing and statistics
R01DE-07360-01 Oral-facial clefts in China a family study
R43DE-07817-01 A system to monitor mandibular movements in real time
** R01DE-08112-01 9001 Oral manifestations of the acquired immunodeficiency syndrome - Core--Data flow and management

BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)
M P50DE-02600-20 Support for oral biology research center
M P50DE-02623-19 Center for oral health research
P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride

BIOMEDICAL SYSTEMS AUTOMATED, MONITORING DEVICES
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, PATIENT MONITORING (MONITORING DEVICES)
SEE ALSO HEART DISORDERS DIAGNOSIS, ELECTROCARDIOGRAPHY MONITOR*
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)

BIOMEDICAL SYSTEMS AUTOMATED, PATIENT MONITORING (MONITORING DEVICES)
SEE ALSO HEART DISORDERS DIAGNOSIS, ELECTROCARDIOGRAPHY MONITOR*
** R43DE-07817-01 A system to monitor mandibular movements in real time
R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)

BIOMEDICAL SYSTEMS AUTOMATED, TELEMETERING AND REMOTE SENSING
** P50DE-07010-03 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)

BIOMETRY
SEE MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)

BIO-ORGANIC AND NATURAL PRODUCTS CHEMISTRY STUDY SECTION
** R01DE-05476-06 Novel peptide derived sweeteners

BIOPERIODICITY, CIRCADIAN RHYTHMS
R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
R03DE-07419-01 Growth hormone--Craniofacial malformations, sleep apnea (human)

BIOPHYSICS, BIOMECHANICS
** R01DE-06859-02 Biomechanics of the mandible (human)
P01DE-06946-03 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
** R23DE-07351-02 Morphological basis of tongue movement and control (mammals)

BIOPHYSICS AND BIOPHYSICAL CHEMISTRY A STUDY SECTION
SEE MOLECULAR AND CELLULAR BIOPHYSICS STUDY SECTION

BIOPSY
SEE DIAGNOSTIC TESTS, BIOPSY*

BIOSTATISTICS
SEE MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)

BIOSYNTHESIS OF CARBOHYDRATES
SEE CARBOHYDRATES BIOSYNTHESIS

BIOSYNTHESIS OF GLYCOPROTEINS
SEE GLYCOPROTEINS BIOSYNTHESIS

BIOSYNTHESIS OF HORMONES
SEE ENDOCRINOLOGY, HORMONES BIOSYNTHESIS

BIOSYNTHESIS OF IMMUNOGLOBULIN
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS

BIOSYNTHESIS OF LIPIDS
SEE LIPIDS METABOLISM, LIPOGENESIS

BIOSYNTHESIS OF MEMBRANES
SEE MEMBRANE SYNTHESIS AND RECONSTITUTION

BIOSYNTHESIS OF NATURAL PRODUCTS WITHOUT GENETIC MANIPULATION
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCED WITHOUT GENETIC MANIPULATION

BIOSYNTHESIS OF PROTEINS
SEE PROTEINS BIOSYNTHESIS

BIOTECHNOLOGY
SEE ALSO BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION
SEE ALSO BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCED WITHOUT GENETIC MANIPULATION
SEE ALSO CELL HYBRIDS, HYBRIDOMAS
SEE ALSO GENETIC MANIPULATION
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
SEE ALSO NUCLEIC ACIDS, DNA PROBE
SEE ALSO TISSUE (CELL) CULTURE, MASS CULTURE
** R43DE-07823-01 Microbial production of protein adhesive (mussels)

BIOTIN
SEE VITAMINS, BIOTIN

BIRDS, CHICK EMBRYO*
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)

BIRDS, QUAIL*
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)

BIREFRINGENCE
SEE OPTICS, BIREFRINGENCE*

BIRTH CONTROL
SEE PREGNANCY

BIRTH ORDER
SEE FAMILY, SIBLING ORDER

BIRTH WEIGHT (HUMAN)
SEE CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT

BITE
SEE DENTAL OCCLUSION, BITE AND BITING STRENGTH (FORCE)

BITING STRENGTH (FORCE)
SEE DENTAL OCCLUSION, BITE AND BITING STRENGTH (FORCE)

BIVALVES
SEE MOLLUSKS, PELECYPODS*

BLACK AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS

BLACK LIPID BILAYER MEMBRANE
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant number

BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS
SEE ALSO IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS
** R01DE-06989-02 Neutrophil function in periodontal disease (human)

BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, INFECTIOUS MONONUCLEOSIS
SEE ALSO NEOPLASMS OF BLOOD AND RE SYSTEM, LYMPHOMA, BURKITT'S
SEE ALSO VIRUSES, HERPESVIRINAE, HUMAN (GAMMA) HERPESVIRUS 4
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus

BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, LYMPHOPENIA
SEE ALSO BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE
SEE ALSO BLOOD CELL DEPLETION THERAPY, LYMPHOCYTE DEPLETION
R01DE-07466-01 H-2 linked control of steroid susceptibilities (mice)

BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE
SEE ALSO MAMMALS, RODENTS, MYOMORPHA, ATHYMIC MICE (NUDE)*
R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)

BLOOD AND RE SYSTEM, BLOOD, PLASMA
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

BLOOD AND RE SYSTEM, BLOOD, SERUM
SEE ALSO IMMUNOLOGY, ANTIBODIES, IMMUNE SERA
P01DE-01850-23 0006 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-05429-07 Adherence of periodontal disease-associated bacteria
R01DE-06425-02 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
P50DE-07009-03 0004 Specialized caries research centers - Immunological aspects of root caries (human)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
R03DE-07587-01 Antibody responses to IgA1 and IgG protease

BLOOD AND RE SYSTEM, BONE MARROW TRANSPLANTATION
R23DE-07489-01 Pathogenesis of osteopetrotic rickets in the toothless rat
R03DE-07747-01 Viral infection & salivary gland graft - host disease (mice, rats)

BLOOD AND RE SYSTEM, HEMATOPOIESIS
R01DE-06065-06 The role of lymphoid cells in alveolar bone resorption (rats)

BLOOD AND RE SYSTEM, LYMPHATIC TISSUE
SEE ALSO ORAL PHARYNGEAL, NASOPHARYNX, ADENOIDS
** R01DE-06065-06 The role of lymphoid cells in alveolar bone resorption (rats)

BLOOD AND RE SYSTEM, MACROPHAGES
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, MACROPHAGE ACTIVATING FACTOR
P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
P50DE-02623-19 0034 Center for oral health research - Bacterial components inducing bone resorption
** P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
** R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
R23DE-07473-01 Host processing of LPS in periodontitis (mice)

BLOOD AND RE SYSTEM, MAST CELLS
** R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
** R03DE-07591-01 Mast cells in periodontal inflammation (mice)
R03DE-07877-01 Microcirculation of the hamster gingiva

BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL SYSTEM (GENERAL)
SEE ALSO BLOOD AND RE SYSTEM, MACROPHAGES
SEE ALSO BLOOD CELLS, MONOCYTES
R01DE-06860-03 Complement monocyte interactions in periodontal disease
R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)

BLOOD BACTERICIDAL ACTIVITY (GENERAL)
SEE IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)

BLOOD CELL DEPLETION THERAPY, LYMPHOCYTE DEPLETION
R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)

BLOOD CELL DEPLETION THERAPY, T LYMPHOCYTE DEPLETION
** R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)

BLOOD CELL FORMATION
SEE BLOOD AND RE SYSTEM, HEMATOPOIESIS

BLOOD CELLS, ERYTHROCYTES
R03DE-07298-01 Low molecular weight salivary agglutinins

BLOOD CELLS, ERYTHROCYTES, HEMOLYSIS
SEE ALSO BLOOD TOXICOLOGY, HEMOLYSINS
R01DE-07606-01 Complement and periodontal pathogenic microorganisms

BLOOD CELLS, HEMATOPOIETIC STEM CELLS (GENERAL)
R01DE-07444-01 Tooth eruption and bone resorption (mice, rats)

BLOOD CELLS, LEUKOCYTES
SEE ALSO BLOOD CELLS, LYMPHOCYTES
SEE ALSO BLOOD CELLS, MONOCYTES
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06860-03 Complement monocyte interactions in periodontal disease

BLOOD CELLS, LEUKOCYTES, GRANULOCYTES (GENERAL)
R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs

BLOOD CELLS, LEUKOCYTES, NEUTROPHILS
** P50DE-02600-20 0030 Support for oral biology research center - Human gingival epithelial cells
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02600-20 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
P50DE-02623-19 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
** P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R01DE-06989-02 Neutrophil function in periodontal disease (human)
** P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
R01DE-07204-02 Family studies of early onset periodontitis (human)
** R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
** R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
R23DE-07473-01 Host processing of LPS in periodontitis (mice)
R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)
** R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
** R03DE-07549-01 Flow cytometric analyses of crevicular neutrophils (human)
** R01DE-07675-01 Periodontosis--A PMN actin dysfunction syndrome
** R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)
R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

BLOOD CELLS, LYMPHOCYTES
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES
P50DE-02623-19 0034 Center for oral health research - Bacterial components inducing bone resroption
** P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
R01DE-03301-16 Connective tissues of the periodontium (human, dog)
** R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06860-03 Complement monocyte interactions in periodontal disease
R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
** R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
** R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues

BLOOD CELLS, LYMPHOCYTES, KILLER CELLS
SEE ALSO IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs

BLOOD CELLS, B LYMPHOCYTES
SEE ALSO IMMUNOGENETICS, HISTOCOMPATIBILITY GENES
** P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-19 0035 Center for oral health research - Cellular aspects of the murine IgA response
P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-07378-02 Human osteoclast-activating factor (mice, rats)
R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)
R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus
** R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)

BLOOD CELLS, T LYMPHOCYTES
SEE ALSO IMMUNOGENETICS, HISTOCOMPATIBILITY GENES
** P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
** P50DE-02623-19 0035 Center for oral health research - Cellular aspects of the murine IgA response
P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05626-06 Role of complement in periodontal disease

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-07378-02 Human osteoclast-activating factor (mice, rats)
R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
R03DE-07582-01 Effect of cyclosporine on human gingival fibroblasts
R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)

BLOOD CELLS, T LYMPHOCYTES, HELPER
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues
R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)

BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
R01DE 06900-02 Immunology of oral herpes simplex viral infections (human)
P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues
R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)

BLOOD CELLS, MONOCYTES
** P50DE-02600 20 0030 Support for oral biology research center - Human gingival epithelial cells
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-05626-06 Role of complement in periodontal disease
** R01DE-06860-03 Complement monocyte interactions in periodontal disease
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
** R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)
R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs

BLOOD CIRCULATION DYNAMICS
SEE CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)

BLOOD CIRCULATORY SYSTEMS
SEE CARDIOVASCULAR SYSTEM
SEE SKELETAL SYSTEM CIRCULATION

BLOOD COAGULATION, ANTITHROMBINS
** P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin

BLOOD COAGULATION, FACTOR X
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin

BLOOD COAGULATION, FIBRINOGEN
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)

BLOOD COAGULATION, PLASMINOGEN
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)

BLOOD COAGULATION, PLASMINOGEN ACTIVATORS
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)

BLOOD COAGULATION, PROTHROMBIN
P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)
** P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin

BLOOD COAGULATION, THROMBIN
** P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)
** P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)

BLOOD FLOW
SEE CARDIOVASCULAR FUNCTION, BLOOD FLOW

BLOOD PLATELETS
SEE ALSO GROWTH FACTORS (INCL ANABOLICS), PLATELET DERIVED GROWTH FACTOR
** P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
** R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)

BLOOD PLATELETS, PLATELET ACTIVATING FACTOR
SEE ALSO FATTY ACIDS, EICOSANOIDS, THROMBOXANES
P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)

BLOOD PLATELETS DEFECTS QUALITATIVE
SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY
P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)

BLOOD PROTEINS
SEE ALSO IMMUNOLOGY, COMPLEMENT
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)

BLOOD STASIS
P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin

BLOOD SUPPLY
SEE CARDIOVASCULAR SYSTEM, BLOOD SUPPLY

BLOOD TOXICOLOGY
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
** R01DE-06519-02 Dental amalgams contribution to blood mercury levels

BLOOD TOXICOLOGY, HEMOLYSINS
SEE ALSO BLOOD CELLS, ERYTHROCYTES, HEMOLYSIS
P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory

BODY FLUIDS (AND RELATED SUBSTANCES)
SEE ALSO BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT
SEE ALSO ORAL-PHARYNGEAL, SALIVA
SEE ALSO SKIN SECRETIONS, SWEAT
** R01DE-07376-02 Biochemical profile for gingival crevicular fluid
R03DE-07714-01 Biochemical responses in plaque fluid to reference foods

BODY FLUIDS, MILK
SEE ALSO PHOSPHOPROTEINS, CASEIN
SEE ALSO REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS
P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R03DE-07014-02 Human PDL cell attachment to root surfaces

BODY FLUID BALANCE, ACID-BASE
SEE ALSO ACIDS-BASES, HYDROGEN-ION CONCENTRATION
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** R01DE-06127-04 Acid-base physiology of oral streptococci
** R01DE-06429-05 Influence of acid-base status on fluoride metabolism (mammals)
** P01DE-06946-03 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter
** P50DE-07010-03 0002 Specialized caries research center - Influence of plaque pH on mineralization
R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
R03DE-07729-01 Biopsy technique for studying experimental enamel lesion (cattle)

BODY FLUID BALANCE, EDEMA
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)

BODY FLUID BALANCE, IONIC
SEE ALSO BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS
SEE ALSO BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT
SEE ALSO BODY FLUID BALANCE, ACID-BASE
SEE ALSO CALCIUM (MINERAL) BALANCE (METABOLISM)
P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
R23DE-07389-02 VIP receptors and submandibular gland function (rats)

BODY MOVEMENT SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

BODY PHYSICAL CHARACTERISTICS (GENERAL)
SEE ALSO SKELETAL DISORDERS DIAGNOSIS (INCL EXAMS)*
M P01DE-03610-20 Craniofacial growth and development
R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human mammals)
R01DE-07360-01 Oral-facial clefts in China a family study
** R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)

BODY PHYSICAL CHARACTERISTICS, BODY WEIGHT
SEE ALSO GROWTH AND DEVELOPMENT
P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
R03DE-07597-01 Craniofacial growth in giant transgenic mice

BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
P01DE-03610-20 0016 Craniofacial growth and development - Craniofacial growth from change (human)
P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
P01DE-06946-03 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint

BODY POSITION SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

BODY REGIONS, HEAD
SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
SEE ALSO NEOPLASMS OF BODY REGIONS, HEAD AND NECK
SEE ALSO SKELETAL SYSTEM, SKULL
R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
** R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)

BODY REGIONS, HEAD, FACE
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO NASAL, NOSE
SEE ALSO ORAL-FACIAL RESTORATION
** P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
** P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** P50DE-02668-20 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
M P01DE-03610-20 Craniofacial growth and development
** P01DE-03610-20 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** R01DE-05232-08 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)
** R01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
** R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
** R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
** R03DE-07597-01 Craniofacial growth in giant transgenic mice
** R03DE-07715-01 Parvovirus associated craniofacial disturbances (hamsters, rats)

BODY SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

BODY WEIGHT
SEE BODY PHYSICAL CHARACTERISTICS, BODY WEIGHT

BOLIVIAN SQUIRREL MONKEY
SEE MAMMALS, PRIMATES, MONKEYS AND APES, NEW WORLD MONKEYS, SAIMIRI SP.*

BOND CLEAVAGE
SEE CHEMICAL BONDS, BOND CLEAVAGE

BOND FORMATION
SEE CHEMICAL BONDS, BOND FORMATION

BONDING
SEE DENTAL MATERIALS, BONDING

BONE
SEE SKELETAL SYSTEM, BONE

BONE BANK
SEE SKELETAL TISSUE PRESERVATION, BONE

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

(contd)

BONE CELLS
SEE SKELETAL SYSTEM, BONE CELLS

BONE CIRCULATION
SEE SKELETAL SYSTEM, CIRCULATION

BONE DENSITY
SEE SKELETAL SYSTEM, BONE DENSITY

BONE DEVELOPMENT
SEE SKELETAL SYSTEM, BONE DEVELOPMENT

BONE DISORDERS
SEE SKELETAL DISORDERS, BONE DISORDERS (GENERAL)

BONE DISORDERS, METABOLIC (GENERAL)
SEE SKELETAL DISORDERS, BONE METABOLISM (GENERAL)

BONE FRACTURES
SEE INJURIES, FRACTURES

BONE MARROW LYMPHOCYTES
SEE BLOOD CELLS, B LYMPHOCYTES

BONE MARROW TRANSPLANTATION
SEE BLOOD AND RE SYSTEM, BONE MARROW TRANSPLANTATION

BONE METABOLISM
SEE SKELETAL SYSTEM, BONE METABOLISM

BONE METABOLISM DISORDERS (GENERAL)
SEE SKELETAL DISORDERS, BONE METABOLISM (GENERAL)

BONE MINERALIZATION
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL

BONE PRESERVATION
SEE SKELETAL TISSUE PRESERVATION, BONE

BONE REGENERATION
SEE SKELETAL SYSTEM REGENERATION, BONE REGENERATION

BONE RESORPTION, TEETH
SEE DENTAL DISORDERS, TOOTH RESORPTION

BONE RESORPTION ABNORMAL
SEE SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

BONE RESORPTION INHIBITORS
SEE CALCIFICATION ENHANCING AGENTS

BONE RESORPTION-REMODELING PHYSIOLOGIC
SEE SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC

BONE TRANSPLANTATION
SEE SKELETAL TISSUE TRANSPLANTATION, BONE

BRADYKININ
SEE PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN 9

BRAIN, BRAIN STEM
SEE ALSO BRAIN, MESENCEPHALON
** R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlatae
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)
** R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
** R01DE-06717-02 Jaw movements and masseter activity during chewing (human)
R01DE-06943-03 Central projections of MES V afferents (cats)
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
** R01DE-07662-01 Trigeminal second-order structure function relationships (rats)
** R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

BRAIN, DIENCEPHALON, THALAMUS
SEE ALSO BRAIN, NEURAL PATHWAYS AND TRACTS, THALAMOCORTICAL TRACTS
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R01DE-07662-01 Trigeminal second-order structure-function relationships (rats)
R01DE-07695-02 Organization of cortical tooth representations (monkeys)

BRAIN, MESENCEPHALON
R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)
** R01DE-06943-03 Central projections of MES V afferents (cats)
R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

BRAIN, MESENCEPHALON, RAPHE NUCLEUS, DORSAL
R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

BRAIN, NEURAL PATHWAYS AND TRACTS, THALAMOCORTICAL TRACTS
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)

BRAIN, RHOMBENCEPHALON, PONS, TRIGEMINAL NUCLEUS (SPINAL)
** R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
** R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
** R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
R23DE-07380-01 Effects of CNS lesions on mastication and skull form (rats)
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
** R01DE-07662-01 Trigeminal second-order structure-function relationships (rats)
R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

BRAIN, RHOMBENCEPHALON, RETICULAR FORMATION
** R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

BRAIN, TELENCEPHALON, CEREBRUM, CORTEX
SEE ALSO BRAIN ELECTRICAL ACTIVITY
P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlatae
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
** P50DE-07509-01 0002 Role of CNS adaptive mechanisms in orofacial sensation - Dynamic influences of somatosensory cortical neurons (monkeys)
R01DE-07695-02 Organization of cortical tooth representations (monkeys)

BRAIN, TELENCEPHALON, CEREBRUM, CORTEX, SENSORY CORTEX
** R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
R01DE-07695-02 Organization of cortical tooth representations (monkeys)

BRAIN, TELENCEPHALON, CEREBRUM, CORTEX, SOMESTHETIC SENSORY AREA
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
** P50DE-02668-20 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)
** P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)

BRAIN ELECTRICAL ACTIVITY
** P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
** P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

BRAIN MAPPING
P50DE-07509-01 0002 Role of CNS adaptive mechanisms in orofacial sensation - Dynamic influences of somatosensory cortical neurons (monkeys)
** R01DE-07695-02 Organization of cortical tooth representations (monkeys)

BRAIN NEUROREGULATORS
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

BRAIN OSCILLOGRAPHY
SEE BRAIN ELECTRICAL ACTIVITY

BRAIN PEPTIDES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

BRAIN STEM
SEE BRAIN, BRAIN STEM

BREAST
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS

BREATHING
SEE RESPIRATORY FUNCTION, RESPIRATION

BRITTLE DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

BRUSH BORDER MEMBRANES
SEE MEMBRANE, BRUSH BORDER MEMBRANES

BRUXISM
SEE DENTISTRY, BRUXISM

BUCCAL CAVITY
SEE ORAL-PHARYNGEAL, MOUTH

BURKITT'S LYMPHOMA
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, LYMPHOMA, BURKITT'S

BURNS
SEE INJURIES, BURNS

BURSA DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, HUMORAL IMMUNITY

C'
SEE IMMUNOLOGY, COMPLEMENT

C DOMAINS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

C GENE
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

C-KINASE
SEE PHOSPHOTRANSFERASES, PROTEIN KINASES, PROTEIN KINASE C

C-MYC ONCOGENE
SEE GENETICS, GENES, ONCOGENES

C-PEPTIDE
SEE PANCREAS HORMONES, INSULIN

C3 CONVERTASE (C2-C4)
SEE IMMUNOLOGY, COMPLEMENT

C3 FRACTIONS AS CHEMOTACTIC FACTORS
SEE IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS

C5 FRACTIONS AS CHEMOTACTIC FACTORS
SEE IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS

CA
SEE CALCIUM

CADMIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, CADMIUM (COMPOUNDS)

CALCIFICATION, DENTAL PULP
SEE DENTAL PULP DISORDERS, DENTAL PULP CALCIFICATION

CALCIFICATION ENHANCING AGENTS
SEE ALSO THYROID HORMONES, (THYRO)CALCITONIN
R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
R01DE-06761-03 Prevention of surface zone limited caries of enamel
** R03DE-07317-01 Ability of thiophenes to inhibit alveolar bone loss in vivo (hamsters, rats)
R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)
** R43DE-07704-01 Long acting polymer/fluoride mouthrinse

CALCIFICATION INHIBITORS
R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)

CALCIFICATION PATHOLOGIC
SEE CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC

CALCIFICATION PHYSIOLOGIC
SEE CALCIUM (MINERAL) BALANCE, CALCIFICATION PHYSIOLOGIC

CALCINEURIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

CALCINOSIS
SEE CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC

CALCITONIN
SEE THYROID HORMONES, (THYRO)CALCITONIN

CALCITRIOL
SEE VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL

CALCIUM
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
P50DE-02670-20 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-03246-17 Dynamic properties of the cytoskeleton
R01DE-04385-11 Mechanism of dental caries
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
** R01DE-05249-07 Salivary secretion - role of calcium (mice)
R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostoma and caries parameters (human)
P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-03 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
R01DE-07493-01 Cariogenic potential of dental plaque fluid

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Directed significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R03DE-07729-01 Biopsy technique for studying experimental enamel lesion (cattle)
R03DE-07877-01 Microcirculation of the hamster gingiva

CALCIUM, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM

CALCIUM-ACTIVATED, PHOSPHOLIPID-DEPENDENT PROTEIN KINASE
SEE PHOSPHOTRANSFERASES, PROTEIN KINASES, PROTEIN KINASE C

CALCIUM BINDING PROTEINS
SEE PROTEINS, CALCIUM BINDING PROTEINS

CALCIUM DEPENDENT REGULATOR PROTEIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

CALCIUM METABOLISM DISORDERS
SEE CALCIUM (MINERAL) IMBALANCES

CALCIUM (MINERAL) BALANCE (METABOLISM)
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P01DE-01850-23 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
P01DE-01850-23 0093 Nutritional sources and metabolic roles of fluoride - Effect of calcium deficiency on the mobilization of skeletal fluoride (rats)
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
P50DE-02623-19 0030 Center for oral health research - Cellular control of mineralization
P50DE-02668-20 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
** P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
** R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-05249-07 Salivary secretion - role of calcium (mice)
** R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
R01DE-05780-04 Development and mineralization of enamel in teeth
R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06071-03 Calcium metabolism in Streptococcus mutans
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, molluscs)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
R01DE-06951-03 Study of F actions on human root surface caries
R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)
** R01DE-07341-02 Second messenger function in exocrine glands (rats)
R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
R23DE-07391-02 Insulin and protein synthesis in the rat gland
** R01DE-07431-09 Ultrastructual studies of mineralized tissue (chicks, rats)
R01DE-07623-01 Mechanisms for enamel mineralization (mammals)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)
R03DE-07714-01 Biochemical responses in plaque fluid to reference foods
** R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

CALCIUM (MINERAL) BALANCE, CALCIFICATION PHYSIOLOGIC
SEE ALSO DENTAL DEVELOPMENT, DENTINOGENESIS
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
** R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
** R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
R01DE-04486-09 Kinetics and mechanisms of action of fluorides (human)
** R01DE-05262-07 Mineralization in oral biology (mice, rats)
** R01DE-05932-06 The role of lipoproteins in microbial calcification
** R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R01DE-06761-03 Prevention of surface zone limited caries of enamel
P50DE-07010-03 0002 Specialized caries research center - Influence of plaque pH on mineralization
R03DE-07714-01 Biochemical responses in plaque fluid to reference foods
R03DE-07894-01 Morphological and biochemical studies of opossum enamel
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

CALCIUM (MINERAL) BALANCE, DECALCIFICATION PHYSIOLOGIC
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC
** R01DE-06569-05 Quantitation of enamel demineralization mechanisms
R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)

CALCIUM (MINERAL) BALANCE, PHOSPHORUS BALANCE (METABOLISM)
P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)

CALCIUM (MINERAL) IMBALANCES
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
SEE ALSO SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC
P01DE-01850-23 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
** P01DE-01850-23 0093 Nutritional sources and metabolic roles of fluoride - Effect of calcium deficiency on the mobilization of skeletal fluoride (rats)
** R43DE-07707-01 Anti-calculus agents
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC
SEE ALSO SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC
** R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
R01DE-05262-07 Mineralization in oral biology (mice, rats)
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

CALCIUM (MINERAL) IMBALANCES, DECALCIFICATION PATHOLOGIC
SEE ALSO SKELETAL DISORDERS, BONE RESORPTION ABNORMAL
** P50DE-07009-03 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
** P50DE-07010-03 0002 Specialized caries research center - Influence of plaque pH on mineralization
P50DE-07010-03 0004 Specialized caries research center - Carbohydrates in root caries

CALCIUM (MINERAL) IMBALANCES, HYPOCALCEMIA
P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)

CALCIUM PHOSPHATE CRYSTALLIZATION ENHANCERS
SEE CALCIFICATION ENHANCING AGENTS

CALCIUM PHOSPHATE CRYSTALLIZATION INHIBITORS
SEE CALCIFICATION INHIBITORS

CALCIUM PHOSPHATES
** P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
** R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
** R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
** R03DE-07552-01 Evaluation of calcium phosphate as a root canal filling (monkeys)
R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)
R03DE-07714-01 Biochemical responses in plaque fluid to reference foods
R01DE-07760-01 Conformation of dental salivary molecules (human)

CALCIUM PHOSPHATES, APATITES
R01DE-02525-20 Ultrastructural histopathology of human dental enamel
** R37DE-03187-15 Transport in enamel and solubility of enamel (human)
** R01DE-04123-10 Formation/stability of apatites
R01DE-05067-08 Interaction of topical fluoride with human enamel (rats, hamsters)
R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
R01DE-05354-09 Prevention of dental caries
R01DE-06569-05 Quantitation of enamel demineralization mechanisms
P50DE-07003-03 0004 Rochester caries research center - Salivary pellicle and dental caries (human)

CALCIUM PHOSPHATES, HYDROXYAPATITE
** P50DE-02670-20 0036 Institute of dental research - Dental caries preventive measures (rats)
R37DE-03187-15 Transport in enamel and solubility of enamel (human)
R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
R01DE-04385-11 Mechanism of dental caries
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-05354-09 Prevention of dental caries
R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
R01DE-05932-06 The role of lipoproteins in microbial calcification
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06127-04 Acid-base physiology of oral streptococci
R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
** R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-05 Quantitation of enamel demineralization mechanisms
R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
P50DE-07010-03 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor
R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)
R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)
R01DE-07623-01 Mechanisms for enamel mineralization (mammals)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

CALCIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CALCIUM PUMP

CALCULI DISSOLVING AGENTS
SEE ALSO CALCIFICATION INHIBITORS
R01DE-03223-16 Kinetics of mineralization of teeth (human)

CALCULUS, DENTAL
SEE DENTAL DEPOSITS

CALMODULIN
SEE PROTEINS, CALCIUM BINDING PROTEINS, CALMODULIN

CALORIC STIMULATION
SEE TEMPERATURE, HEAT, CALORIC STIMULATION

CALVARIUM
SEE SKELETAL SYSTEM, SKULL

CAMPYLOBACTER
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

CANADA
SEE GEOGRAPHICAL SITES, N AMERICA, CANADA

CANCER AND FOODS
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

CANCER CAUSING GENES
SEE GENETICS, GENES, ONCOGENES

CANCER CHEMOTHERAPY
SEE NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY

CANCER COMPLICATIONS, NON-INFECTIOUS
SEE NEOPLASMS, CANCER COMPLICATIONS OF

CANCER DIAGNOSIS
SEE NEOPLASMS DIAGNOSIS

CANCER EPIDEMIOLOGY
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS

(contd)

*Excludes review methodology OR covers only general projects which preclude indexing at the specific level
**Deemed significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

CANCER GENETICS
SEE NEOPLASMS GENETICS

CANCER IMMUNODIAGNOSIS
SEE NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS

CANCER PATIENTS, DISEASE COMPLICATIONS
SEE NEOPLASMS, CANCER COMPLICATIONS OF

CANCER PREVENTION AND CONTROL (GENERAL)
SEE NEOPLASMS PREVENTION AND CONTROL

CANCER RADIOTHERAPY
SEE NEOPLASTIC THERAPY, CANCER RADIOTHERAPY

CANCER RISK
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY STATISTICS, CANCER RISK

CANCER SURGERY
SEE NEOPLASMS SURGERY

CANCER SURVIVAL RATES
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY STATISTICS

CANCER THERAPY, NUTRITIONAL
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

CANDIDA
SEE FUNGI, YEASTS, CANDIDA*

CANDIDA ALBICANS
SEE FUNGI, YEASTS, CANDIDA ALBICANS*

CANDIDIASIS
SEE MYCOSES, MONILIASIS

CANKER SORE
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

CANNULATION
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)

CAPRONOR TM DRUG DELIVERY SYSTEM
SEE DRUGS, DRUG DELIVERY SYSTEMS

CARBACHOL
SEE CHOLINE, CARBACHOL

CARBOHYDRASES
R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)

CARBOHYDRASES, N-ACETYLGLUCOSAMINIDASES
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section

CARBOHYDRASES, AMYLASE
R01DE-02120-22 Study of salivary gland structure and function (mice, rats)
R01DE-05249-07 Salivary secretion - role of calcium (mice)
R01DE-05251-07 Salivary gland secretory mechanisms (rats)
R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
** R01DE-07201-01 Rat parotid exocytosis (also rabbits)
R01DE-07341-02 Second messenger function in exocrine glands (rats)

CARBOHYDRASES, ALPHA-AMYLASE
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)

CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

CARBOHYDRASES, BETA-GLUCURONIDASE
R01DE-07376-02 Biochemical profile for gingival crevicular fluid
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

CARBOHYDRASES, HYALURONIDASE
** R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
R03DE-07014-02 Human PDL cell attachment to root surfaces

CARBOHYDRASES, LYSOZYME
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)
** R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

CARBOHYDRASES, NEURAMINIDASE
R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)

CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community

CARBOHYDRATES
SEE ALSO GLYCOLIPIDS
SEE ALSO GLYCOPROTEINS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES
SEE ALSO OLIGOSACCHARIDES
SEE ALSO POLYSACCHARIDES
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
P50DE-02670-20 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

CARBOHYDRATES, AMINO SUGARS
SEE ALSO SUGAR ACIDS, MURAMIC ACID
SEE ALSO SUGAR ACIDS, SIALIC ACIDS
R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

CARBOHYDRATES, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

CARBOHYDRATES, GLYCOSIDES
R03DE-07560-01 Evaluation of natural sweeteners with mongolian gerbils

CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
SEE ALSO GLYCOPROTEINS
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

CARBOHYDRATES BIOSYNTHESIS
** P50DE-02670-20 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
** R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-14 Glycosyltransferases from oral bacteria
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

CARBOHYDRATES METABOLISM
SEE ALSO CARBOHYDRATES BIOSYNTHESIS
SEE ALSO CHEMICAL REACTIONS, GLYCOSYLATION
SEE ALSO GLYCOPROTEINS BIOSYNTHESIS
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
** R01DE-05253-07 Measurements of enamel permeability as related to caries (human)
R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
** P50DE-07010-03 0004 Specialized caries research center - Carbohydrates in root caries
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

CARBOHYDRATES METABOLISM, GLUCOSE METABOLISM
SEE ALSO HEXOSES, GLYCOLYSIS
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)

CARBOHYDRATES METABOLISM DISORDERS, DIABETES
SEE ALSO CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)
** R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
** R23DE-06832-03 Experimental diabetes and periodontitis (monkeys)
R01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
R03DE-07549-01 Flow cytometric analyses of crevicular neutrophils (human)
** R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)

CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED
** R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)

CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community

CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES
P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)

CARBOHYDRATES METABOLISM DISORDERS, DIABETES, NONINSULIN-DEPENDENT DIABETES
** R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community

CARBOHYDRATES METABOLISM DISORDERS, DIABETES THERAPY
SEE ALSO METABOLIC DISORDERS CHEMOTHERAPY
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

CARBOHYDRATES METABOLISM DISORDERS, DIABETIC NEPHROPATHIES
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community

CARBOHYDRATES METABOLISM DISORDERS, DIABETIC OCULOPATHY, DIABETIC RETINOPATHY
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community

CARBOHYDRATES STRUCTURE
** R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-04971-08 Salivary mucins and dental diseases (human)
** R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)

CARBOHYDRATES TRANSPORT (GENERAL)
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
** R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans

CARBOHYDRATES TRANSPORT, GLUCOSE TRANSPORT
R01DE-06127-04 Acid-base physiology of oral streptococci
R23DE-07391-02 Insulin and protein synthesis in the rat gland

CARBON MONOXIDE POISONING
SEE TOXICOLOGY, GAS POISONING, CARBON MONOXIDE

CARBONATES
R01DE-03223-16 Kinetics of mineralization of teeth (human)

(contd)

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**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R01DE-06996-02 Biological molecules in the corrosion of dental alloys

CARBONATES, BICARBONATES
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

CARBONIC ANHYDRASE
SEE DEHYDRATASES, CARBONIC ANHYDRASE

CARBOXYCATHEPSIN
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

GAMMA-CARBOXYGLUTAMIC ACID
SEE DICARBOXYLIC AMINO ACIDS, GLUTAMATES, GAMMA-CARBOXYGLUTAMIC ACID

CARBOXYLIC ACIDS
SEE ALSO AMINO ACIDS
SEE ALSO AZETIDINE CARBOXYLIC ACIDS
SEE ALSO FATTY ACIDS
R43DE-07532-01 New restorative dental resins

CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)

CARBOXYPEPTIDASE
SEE PROTEASES AND PEPTIDASES, CARBOXYPEPTIDASE

CARBOXYPEPTIDASE A
SEE PROTEASES AND PEPTIDASES, CARBOXYPEPTIDASE

CARBOXYPEPTIDASE B
SEE PROTEASES AND PEPTIDASES, CARBOXYPEPTIDASE

CARCINOGENESIS (GENERAL)
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS (GENERAL)

CARCINOGENESIS, CHEMICAL
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, CHEMICAL

CARCINOGENESIS, RADIATION
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, RADIATION

CARCINOGENESIS, VIRAL
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL

CARCINOGENS, CHEMICAL
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, CHEMICAL

CARCINOGENS, VIRAL
SEE VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)

CARCINOMA
SEE NEOPLASMS, CARCINOMA

CARCINOMA EPIDERMOID
SEE NEOPLASMS, CARCINOMA EPIDERMOID

CARDIAC GLYCOSIDES, OUABAIN
R01DE-05586-06 Cell surface studies of the enamel organ (mice)

CARDIOLIPINS
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

CARDIOVASCULAR AGENTS, VASODILATORS
R01DE-05967-04 Role of arachidonate metabolites in periodontitis

CARDIOVASCULAR AGENTS, VASOPRESSORS
** R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)

CARDIOVASCULAR DISORDERS, THROMBOSIS
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
** R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)

CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)

CARDIOVASCULAR FUNCTION, BLOOD FLOW
SEE ALSO BLOOD STASIS
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)
** R03DE-07598-01 The neurovascular relationship of the dental pulp (dogs)
R03DE-07877-01 Microcirculation of the hamster gingiva
R03DE-07898-01 Spatially localized NMR of the oral cavity (human)

CARDIOVASCULAR FUNCTION, VASOMOTION, VASODILATION
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
R23DE-07389-02 VIP receptors and submandibular gland function (rats)

CARDIOVASCULAR PHARMACOLOGY
R03DE-07877-01 Microcirculation of the hamster gingiva

CARDIOVASCULAR SURGERY, REVASCULARIZATION SURGICAL
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)

CARDIOVASCULAR SYSTEM
SEE ALSO SKELETAL SYSTEM CIRCULATION
** P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)

CARDIOVASCULAR SYSTEM, BLOOD SUPPLY
** P01DE-06946-03 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ
** P01DE-07687-05 0004 Regeneration and transplantation of skeletal muscle - Revascularization of skeletal muscle autografts (hamster, cat, dog, rats)

CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE
R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)

CARDIOVASCULAR SYSTEM, ENDOTHELIUM
R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)

CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY
SEE ALSO KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
SEE ALSO PREGNANCY CIRCULATION, PLACENTAL TRANSFER
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)
R01DE-05967-04 Role of arachidonate metabolites in periodontitis

CARDIOVASCULAR SYSTEM, MICROCIRCULATION
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)
** R03DE-07877-01 Microcirculation of the hamster gingiva

CARDIOVASCULAR SYSTEM, PERIPHERAL VASCULAR SYSTEM
R03DE-07549-01 Flow cytometric analyses of crevicular neutrophils (human)

CARIES
SEE DENTAL CARIES

CAROTENE
SEE TERPENES, CAROTENE

CAROTENE OXIDASE
SEE OXYGENASES, LIPOXYGENASE

CARRIER PROTEINS
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)

CARRIER STATE (COMMUNICABLE DISEASE)
SEE COMMUNICABLE DISEASE TRANSMISSION, CARRIER STATE (COMMUNICABLE DISEASE)

CARTILAGE
SEE SKELETAL SYSTEM, CARTILAGE

CARTILAGE CELLS
SEE SKELETAL SYSTEM, CARTILAGE CELLS

CARTILAGE CIRCULATION
SEE SKELETAL SYSTEM CIRCULATION

CARTILAGE DEVELOPMENT
SEE SKELETAL SYSTEM, CARTILAGE DEVELOPMENT

CARTILAGE DISORDERS
SEE SKELETAL DISORDERS, CARTILAGE DISORDERS

CARTILAGE METABOLISM
SEE SKELETAL SYSTEM, CARTILAGE METABOLISM

CARTILAGE TRANSPLANTATION
SEE SKELETAL TISSUE TRANSPLANTATION, CARTILAGE

CASE FINDING
SEE HEALTH CARE SERVICES, CASE FINDING AND OUTREACH

CASE HISTORY
SEE HEALTH RECORDS, CASE HISTORY

CASEIN
SEE PHOSPHOPROTEINS, CASEIN

CASTING, DENTAL
SEE DENTAL MATERIALS, CASTING

CATECHOLAMINES
SEE PHENYLALKYLAMINES, CATECHOLAMINES

CATECHU
SEE PLANTS, CROPS AND FOODS, FRUITS, BETELNUT*

CATHEPSINS
SEE PROTEASES AND PEPTIDASES, CATHEPSINS

CATION
SEE IONS, CATION

CAVIA
SEE MAMMALS, RODENTS, HYSTRICOMORPHA, GUINEA PIGS*

C3B RECEPTOR
SEE IMMUNOLOGY, COMPLEMENT RECEPTORS

C3D RECEPTOR
SEE IMMUNOLOGY, COMPLEMENT RECEPTORS

CD
SEE METALS, HEAVY METALS, CADMIUM (COMPOUNDS)

CDNA CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

CELL ADHESION
SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO GLYCOPROTEINS, FIBRONECTIN
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
** R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-05429-07 Adherence of periodontal disease-associated bacteria
** R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
** R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)
R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
** R01DE-07199-02 Adherence factors of oral streptococci (human)
** R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
** R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

CELL ADHESION, CEMENTING SUBSTANCE INTERCELLULAR
SEE ALSO POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HYALURONIC ACID
** R01DE-06945-04 Characterization of microbial lectins

CELL AGGREGATION
SEE CELL-CELL INTERACTION, CELL AGGREGATION

CELL ANALYZERS-SEPARATORS
SEE CELL SORTING

CELL ANALYZERS-SEPARATORS, LASER
SEE CELL SORTING, LASER

CELL BIOLOGY STUDY SECTION
** R01DE-03246-17 Dynamic properties of the cytoskeleton
** R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
** R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)

CELL-CELL INTERACTION
SEE ALSO REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
** R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
** R01DE-07674-01 Analysis of primary palate formation (chick embryos)

CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO CELL ADHESION
P50DE-02623-19 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-07199-02 Adherence factors of oral streptococci (human)

CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS
SEE ALSO NERVOUS SYSTEM, NERVE ENDINGS, SYNAPSES
SEE ALSO NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION
P50DE-02600-20 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** R01DE-07674-01 Analysis of primary palate formation (chick embryos)

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**Deemed significantly to above subject

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CELL CHEMOTAXIS
SEE ENVIRONMENT, ORIENTATION, CHEMOTAXIS

CELL COMMUNICATIONS
SEE CELL-CELL INTERACTION

CELL COMPONENTS
SEE ALSO BACTERIAL CAPSULE
SEE ALSO GENETICS, CHROMOSOMES
SEE ALSO GENETICS, GENES
SEE ALSO MUSCLE CELLS, SARCOMERES
SEE ALSO MUSCLES, MYOFIBRILS
SEE ALSO NERVOUS SYSTEM, NEURONS, AXONS
SEE ALSO NERVOUS SYSTEM, NEURONS, DENDRITES
R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)

CELL COMPONENTS, CELL MEMBRANE
SEE ALSO BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE ALSO CELL COMPONENTS, ENDOPLASMIC RETICULUM
SEE ALSO CELL COMPONENTS, INTRACELLULAR MEMBRANES
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05251-07 Salivary gland secretory mechanisms (rats)
R01DE-05586-06 Cell surface studies of the enamel organ (mice)
R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
R23DE-07473-01 Host processing of LPS in periodontitis (mice)
** R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

CELL COMPONENTS, CELL MEMBRANE, BASOLATERAL AREA
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)

CELL COMPONENTS, CELL WALL
R01DE-03487-15 Inhibition of human cariogenic streptococci
R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
P01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
** R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
** R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT
R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)

CELL COMPONENTS, CYTOPLASM
R01DE-05249-07 Salivary secretion - role of calcium (mice)
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)
R01DE-07201-01 Rat parotid exocytosis (also rabbits)
R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R01DE-07675-01 Periodontosis--A PMN actin dysfunction syndrome
R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)

CELL COMPONENTS, CYTOSKELETON
SEE ALSO CELL COMPONENTS, MICROFILAMENTS
SEE ALSO CELL COMPONENTS, MICROTUBULES (GENERAL)
** R01DE-03246-17 Dynamic properties of the cytoskeleton
R01DE-04345-11 Cell biology of osteoclasts (chickens)
R01DE-07675-01 Periodontosis--A PMN actin dysfunction syndrome

CELL COMPONENTS, ENDOPLASMIC RETICULUM
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
P50DE-02670-20 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate

CELL COMPONENTS, EXTRACELLULAR MATRIX
** R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** P50DE-02668-20 0125 Regional dental research center - Significance of collagen crosslinks in tissue
** P01DE-02848-16 0013 Biology of connective tissue, bones, and teeth - Extra cellular matrix influences of epithelial gene expression--Cementogenesis
R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
** R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)
P01DE-06946-03 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
** R01DE-06952-03 Enamel secretory matrix protease (cattle, rats)
** R01DE-06954-02 Structural studies of matrix proteins in teeth and bone
** R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)
** R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)
R03DE-07894-01 Morphological and biochemical studies of opossum enamel

CELL COMPONENTS, INTRACELLULAR MEMBRANES
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
R01DE-06165-04 Cell biology of periodontal ligament fibroblasts

CELL COMPONENTS, LYSOSOMES
P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)
R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)

CELL COMPONENTS, MICROFILAMENTS
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)

CELL COMPONENTS, MICROSOMES
SEE ALSO CELL COMPONENTS, ENDOPLASMIC RETICULUM
SEE ALSO CELL COMPONENTS, RIBOSOMES
R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)

CELL COMPONENTS, MICROTUBULES (GENERAL)
SEE ALSO MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), TUBULIN
** R01DE-03246-17 Dynamic properties of the cytoskeleton
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)

CELL COMPONENTS, MITOCHONDRIA
** P50DE-02623-19 0030 Center for oral health research - Cellular control of mineralization
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

CELL COMPONENTS, PILI
R01DE-05429-07 Adherence of periodontal disease-associated bacteria

CELL COMPONENTS, PROTOPLASTIC MEMBRANE
SEE ALSO LIPIDS, MEMBRANE LIPIDS
SEE ALSO MEMBRANE, MEMBRANE FUSION
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO PROTEINS, MEMBRANE PROTEINS
R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

CELL COMPONENTS, RIBOSOMES
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R23DE-07391-02 Insulin and protein synthesis in the rat gland

CELL COMPONENTS, VACUOLES
** R01DE-06533-04 Vesicles and endochondral bone formation (chickens)

CELL CONTROL MECHANISMS (CELL GROWTH-PROLIFERATION)
SEE CELL GROWTH REGULATION

CELL COUNTING AND SEPARATION
SEE CELL SORTING

CELL COUNTING AND SEPARATION, LASER
SEE CELL SORTING, LASER

CELL CULTURE
SEE TISSUE (CELL) CULTURE*

CELL CULTURE COLLECTIONS
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

CELL CYCLE, TURNOVER (POPULATION STUDIES)
SEE POPULATION STUDIES CELL

CELL CYCLE, TURNOVER (REGULATION OF)
SEE CELL GROWTH REGULATION

CELL DEATH
SEE ALSO CELL DESTRUCTION, CYTOLYSIS
SEE ALSO DISEASES, PATHOLOGIC PROCESSES, NECROSIS
SEE ALSO TOXICOLOGY, CYTOTOXICITY
** P50DE-02600-20 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)

CELL DESTRUCTION, CYTOLYSIS
SEE ALSO BLOOD CELLS, ERYTHROCYTES, HEMOLYSIS
R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

CELL DIFFERENTIATION
SEE ALSO GROWTH AND DEVELOPMENT, HISTOGENESIS
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02623-19 0035 Center for oral health research - Cellular aspects of the muring IgA response
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04897-06 Functional development of salivary glands (rats)
** R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
** R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05395-07 Stem cells in oral mucosa (mice)
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R23DE-06766-03 Surgical regeneration of the periodontium (dogs)
** R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)
** R01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
R23DE-07075-02 Tissue interactions in root development (mice)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)
** R01DE-07637-01 Differentiation and growth of salivary glands (mice)
** R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

CELL DIVISION
SEE ALSO GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE ALSO GROWTH ABNORMAL, HYPERPLASIA (GENERAL)
SEE ALSO NUCLEIC ACIDS SYNTHESIS, DNA
** R01DE-05395-07 Stem cells in oral mucosa (mice)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
R01DE-07674-01 Analysis of primary palate formation (chick embryos)

CELL DIVISION, MITOSIS
SEE ALSO MITOGENS
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
R01DE-06955-03 Epidermal growth factor and tooth development (mice)
R01DE-07512-01 Regeneration of the periodontium--An in vitro study
R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)

CELL DIVISION, SYNCHRONOUS CELL DIVISION
P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus

CELL-FREE SYSTEMS
R01DE-07201-01 Rat parotid exocytosis (also rabbits)

CELL GROWTH REGULATION
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
R01DE-03301-16 Connective tissues of the periodontium (human, dog)
R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
** R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
** R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)
** R01DE-07637-01 Differentiation and growth of salivary glands (mice)
** R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)
** R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)
** R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

CELL HYBRIDS, HYBRIDOMAS
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
** P50DE-02670-20 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R03DE-07871-01 Production of capnocytophaga specific monoclonal antibodies (mice)

CELL INGESTION, PHAGOCYTOSIS
SEE ALSO CELLS, PHAGOCYTES
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06065-06 The role of lymphoid cells in alveolar bone resorption (rats)
R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06989-02 Neutrophil function in periodontal disease (human)
P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
R03DE-07549-01 Flow cytometric analyses of crevicular neutrophils (human)
R01DE-07675-01 Periodontosis--A PMN actin dysfunction syndrome

CELL INGESTION, PINOCYTOSIS
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
R01DE-05251-07 Salivary gland secretory mechanisms (rats)
R01DE-05586-06 Cell surface studies of the enamel organ (mice)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
** R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)

CELL INTERACTION
SEE CELL-CELL INTERACTION

CELL LINES, BANKS AND REGISTRIES
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

CELL MEDIATED IMMUNE RESPONSE
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

CELL MEMBRANE
SEE CELL COMPONENTS, CELL MEMBRANE

CELL MIGRATION
SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
** R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
** R01DE-06730-03 Dental implant surfaces impeding epithelial migration (rats)
R23DE-06766-03 Surgical regeneration of the periodontium (dogs)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)

CELL MOVEMENT
SEE ALSO CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT
SEE ALSO CELL MIGRATION
R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)

CELL POPULATION STUDIES
SEE POPULATION STUDIES CELL

CELL SECRETION, EXOCYTOSIS
** R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
** R01DE-07201-01 Rat parotid exocytosis (also rabbits)
R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)

CELL SEPARATION AND COUNTING
SEE CELL SORTING

CELL SORTING
SEE ALSO BLOOD CELL DEPLETION THERAPY, LYMPHOCYTE DEPLETION
SEE ALSO BLOOD CELL DEPLETION THERAPY, T LYMPHOCYTE DEPLETION
** R03DE-07724-01 Microbial tests in the management of dental caries (human)

CELL SORTING, LASER
** R23DE-07616-01 Flow cytometric analysis of oral actinobacillus

CELL SURFACE ACTIVITY (GENERAL)
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

CELL SURFACE RECEPTORS
SEE RECEPTORS OF NON-SENSORY STIMULI (GENERAL)

CELL TYPES
SEE ALSO CELL DIFFERENTIATION
R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
** R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)
R03DE-07715-01 Parvovirus associated craniofacial disturbances (hamsters, rats)

CELL WALL
SEE CELL COMPONENTS, CELL WALL

CELLS, PHAGOCYTES
SEE ALSO BLOOD AND RE SYSTEM, MACROPHAGES
SEE ALSO BLOOD CELLS, LEUKOCYTES
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
P50DE-02600-20 0030 Support for oral biology research center - Human gingival epithelial cells
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
** R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-06860-03 Complement monocyte interactions in periodontal disease
R23DE-07473-01 Host processing of LPS in periodontitis (mice)

CELLS, SINGLE CELL ANALYSIS
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)

CELLULAR BASIS FOR NEOPLASMS
SEE NEOPLASMS CHARACTERISTICS, CELLULAR LEVEL STUDIES (GENERAL)

CELLULAR BIOLOGY AND PHYSIOLOGY STUDY SECTION
** R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
** R01DE-07637-01 Differentiation and growth of salivary glands (mice)
** R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)

CELLULAR IMMUNITY
SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)

CELLULAR LEVEL STUDIES OF NEOPLASMS
SEE NEOPLASMS CHARACTERISTICS, CELLULAR LEVEL STUDIES (GENERAL)

CELLULAR PHYSIOLOGY REVIEW GROUP
** R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)

CEMENTING SUBSTANCE INTERCELLULAR
SEE CELL ADHESION, CEMENTING SUBSTANCE INTERCELLULAR

CEMENTUM
SEE DENTAL STRUCTURE, CEMENTUM

CENTENARIANS
SEE AGE (HUMAN), ADULT, CENTENARIANS (100 YRS PLUS)

CENTERS
SEE CLINICAL RESEARCH CENTERS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)
SEE STATISTICAL SERVICE AND CENTERS

CENTRAL NERVOUS SYSTEM
SEE NERVOUS SYSTEM CENTRAL

CENTRAL NERVOUS SYSTEM DISORDERS
SEE NERVOUS DISORDERS CENTRAL (GENERAL)

CEPHALOMETRY
SEE BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY

CERAMICS
SEE SILICATES, CERAMICS

CEREBRAL CORTEX
SEE BRAIN, TELENCEPHALON, CEREBRUM, CORTEX

CEREBRAL SCLEROSIS DISSEMINATED
SEE NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS

CERVIX NEOPLASMS
SEE NEOPLASMS OF REPRODUCTIVE SYSTEM FEMALE, UTERUS NEOPLASMS, CERVIX NEOPLASMS

CEVITAMIC ACID
SEE VITAMINS, VITAMIN C, ASCORBIC ACID

CFM MODEL
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

CHEILITIS
SEE ORAL-PHARYNGEAL DISORDERS (GENERAL)

CHELATES, METAL
SEE METAL COMPLEXES

CHEMICAL ASSOCIATED CARCINOGENS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, CHEMICAL

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

CHEMICAL BONDS, BINDING AND BINDING SITES
SEE ALSO PROTEIN BINDING
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-05586-06 Cell surface studies of the enamel organ (mice)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R03DE-07870-01 Tetracycline binding to dentin (human)

CHEMICAL BONDS, BOND CLEAVAGE
R01DE-06952-03 Enamel secretory matrix protease (cattle, rats)

CHEMICAL BONDS, BOND FORMATION
R01DE-06374-05 Semi- and nonprecious metal-porcelain systems

CHEMICAL BONDS, COVALENT
R43DE-07692-01 Surface behavior of mussel adhesive protein and analogs

CHEMICAL BONDS, CROSSLINKS
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** P50DE-02668-20 0125 Regional dental research center - Significance of collagen crosslinks in tissue
P50DE-02668-20 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans
P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-06201-02 Water sorption of glassy dental polymers
R23DE-06896-03 Nonenzymatic reactions in human dentin proteins
R43DE-07532-01 New restorative dental resins

CHEMICAL BONDS, DISULFIDE BONDS
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin

CHEMICAL BONDS, HYDROGEN BOND
R43DE-07692-01 Surface behavior of mussel adhesive protein and analogs

CHEMICAL BONDS, HYDROPHOBIC
** R01DE-07199-02 Adherence factors of oral streptococci (human)

CHEMICAL BONDS, IONIC
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
R01DE-03223-16 Kinetics of mineralization of teeth (human)

CHEMICAL CARCINOGENS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, CHEMICAL

CHEMICAL CONTAMINANTS-POLLUTANTS, ENVIRONMENTAL (GENERAL)
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

CHEMICAL DESIGN
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)

CHEMICAL MODELS
SEE MODELS, CHEMICAL

CHEMICAL REACTION SITES
SEE ALSO CHEMICAL BONDS, BINDING AND BINDING SITES
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)

CHEMICAL REACTION SITES, FUNCTIONAL GROUPS
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)

CHEMICAL REACTIONS (DYNAMICS)
SEE ALSO ALKYL (GROUPS), METHYLATION-DEMETHYLATION
SEE ALSO CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)
SEE ALSO ENZYME MECHANISMS
SEE ALSO OXIDATION-REDUCTION
SEE ALSO PEROXIDATION
SEE ALSO PHOSPHORYLATION
SEE ALSO SULFATION
** R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-03246-17 Dynamic properties of the cytoskeleton
R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-04385-11 Mechanism of dental caries
** R01DE-04486-09 Kinetics and mechanisms of action of fluorides (human)
R01DE-06539-04 Breakdown of amalgam margins--A microstructural study
R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-05 Quantitation of enamel demineralization mechanisms
R01DE-06996-02 Biological molecules in the corrosion of dental alloys

CHEMICAL REACTIONS, GLYCOSYLATION
R01DE-06892-03 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

CHEMICAL REACTIONS, HYDRATION-DEHYDRATION
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)

CHEMICAL REACTIONS, SOLVOLYSIS, HYDROLYSIS
SEE ALSO HYDROLASES
** R01DE-03246-17 Dynamic properties of the cytoskeleton
R01DE-03739-14 Glycosyltransferases from oral bacteria
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)

CHEMICAL REACTIONS, SUBSTITUTION, NUCLEOPHILIC
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)

CHEMICAL STABILITY
SEE ALSO TEMPERATURE, HEAT STABILITY-LABILITY
** R01DE-04123-10 Formation/stability of apatites

CHEMICAL STRUCTURE
SEE ALSO CARBOHYDRATES STRUCTURE
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
SEE ALSO PROTEINS-PEPTIDES STRUCTURE
P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02668-20 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
R01DE-06201-02 Water sorption of glassy dental polymers
R23DE-06987-02 Study of surfactant use in restorative materials

CHEMICAL STRUCTURE, ISOMERS, RACEMIZATION
R23DE-06896-03 Nonenzymatic reactions in human dentin proteins

CHEMICAL STRUCTURE, STEREOCHEMISTRY
R01DE-06541-04 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)

CHEMICAL STRUCTURE, STEREOCHEMISTRY, CONFORMATIONS
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
R01DE-05476-06 Novel peptide derived sweeteners
R01DE-06954-02 Structural studies of matrix proteins in teeth and bone
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07257-03 IgA protease and dental caries
** R01DE-07760-01 Conformation of dental salivary molecules (human)
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY
SEE ALSO ENZYME STRUCTURE
R01DE-02525-20 Ultrastructural histopathology of human dental enamel
P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
** P50DE-02670-20 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
** P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans
** P50DE-02670-20 0039 Institute of dental research - Structure and function of latent collagenase
P50DE-02731-20 0034 Development support for dental research institute - Microbial biochemistry laboratory
R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
R01DE-05476-06 Novel peptide derived sweeteners
R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
** R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
** R23DE-07076-01 Human salivary peroxidase purification and properties (rabbits)
R01DE-07257-03 IgA protease and dental caries
** R01DE-07378-02 Human osteoclast-activating factor (mice, rats)
R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)
R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)
** R23DE-07679-01 Role of osteogenic growth factor in bone healing (rabbits, rats)
** R03DE-07733-01 Generation of antiserum to PDGF synthetic peptides (rabbits)
** R01DE-07760-01 Conformation of dental salivary molecules (human)
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

CHEMICAL STRUCTURE OF CARBOHYDRATES
SEE CARBOHYDRATES STRUCTURE

CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)
SEE ALSO BIOLOGICAL PREPARATIONS AND STANDARDIZATION
SEE ALSO DRUGS SYNTHESIS, DESIGN AND PRODUCTION
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-04123-10 Formation/stability of apatites
** R01DE-07378-02 Human osteoclast-activating factor (mice, rats)
** R43DE-07532-01 New restorative dental resins
R43DE-07543-01 Dental restoratives from polymers that expand when cured
R43DE-07692-01 Surface behavior of mussel adhesive protein and analogs

CHEMICAL TRANSFER, HYDROGEN TRANSPORT
R01DE-06127-04 Acid-base physiology of oral streptococci
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)

CHEMICALS (GENERAL), ELEMENTS, TRACE ELEMENTS
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-20 0036 Institute of dental research - Dental caries preventive measures (rats)
R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-04123-10 Formation/stability of apatites
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)

CHEMICALS (GENERAL), MINERALS (GENERAL)
SEE ALSO CALCIUM (MINERAL) BALANCE (METABOLISM)
SEE ALSO CALCIUM PHOSPHATES, APATITES
SEE ALSO SILICATES
R01DE-06127-04 Acid-base physiology of oral streptococci
** R01DE-06569-05 Quantitation of enamel demineralization mechanisms

CHEMICALS (GENERAL), ORGANIC COMPOUNDS (GENERAL)
** R01DE-06996-02 Biological molecules in the corrosion of dental alloys

CHEMICALS (GENERAL), SALTS (GENERAL)
** P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program

CHEMILUMINESCENCE
SEE OPTICS, LIGHT EMISSION, LUMINESCENCE*

CHEMISTRY, CLINICAL, FECES ANALYSIS*
R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)

CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS
R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)

CHEMISTRY, ELECTROCHEMISTRY
SEE ALSO MOLECULAR POLARITY
R01DE-03601-13 Effect of corrosion on dental amalgams
R01DE-06996-02 Biological molecules in the corrosion of dental alloys
R23DE-07964-01 Wear-corrosion studies of dental materials

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

CHEMISTRY, STOICHIOMETRY
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)

CHEMISTRY, THERMODYNAMICS (GENERAL)
R37DE-03187-15 Transport in enamel and solubility of enamel (human)
R01DE-06374-05 Semi- and nonprecious metal-porcelain systems
R01DE-06672-04 Optimization of metal-ceramic restoration design

CHEMORECEPTORS
SEE SENSE ORGANS, CHEMORECEPTORS

CHEMOTACTIC FACTORS (COMPLEMENT)
SEE IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS

CHEMOTACTIC FACTORS (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

CHEMOTAXIS
SEE ENVIRONMENT, ORIENTATION, CHEMOTAXIS

CHEMOTHERAPY
SEE DRUGS, CHEMOTHERAPY

CHEMOTHERAPY, CANCER
SEE NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY

CHEMOTHERAPY, COMMUNICABLE DISEASES
SEE COMMUNICABLE DISEASES CHEMOTHERAPY

CHEMOTHERAPY, CONNECTIVE TISSUE DISORDERS
SEE CONNECTIVE TISSUE DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, DENTAL DISORDERS
SEE DENTAL DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, METABOLIC DISORDERS
SEE METABOLIC DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, NERVOUS DISORDERS
SEE NERVOUS DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, NUTRITIONAL DISORDERS
SEE NUTRITIONAL DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, SKELETAL DISORDERS
SEE SKELETAL DISORDERS CHEMOTHERAPY

CHEMOTHERAPY, SKIN DISORDERS
SEE SKIN DISORDERS CHEMOTHERAPY

CHICK EMBRYO
SEE BIRDS, CHICK EMBRYO*

CHILD BEHAVIOR
SEE CHILD MENTAL DEVELOPMENT, CHILD BEHAVIOR

CHILD DEVELOPMENT (NON-PSYCHOLOGICAL)
SEE ALSO CHILD MENTAL DEVELOPMENT
R03DE-07419-01 Growth hormone--Craniofacial malformations, sleep apnea (human)

CHILD DEVELOPMENT, PUBERTY
SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT, SEX DIFFERENTIATION
P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)
R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)

CHILD DEVELOPMENT, WEANLING
R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)

CHILD HEALTH CARE (SERVICES)
** R23DE-06562-03 Fluoridation effects on dental demand (human)
** R23DE-06865-03 Child desensitization for dental visits (human)
** R01DE-07353-01 Increasing orthodontic treatment compliance in children (human)
** R01DE-07978-01 Increasing orthodontic treatment compliance in children (human)

CHILD MENTAL DEVELOPMENT
SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT, SEX DIFFERENTIATION
P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)

CHILD MENTAL DEVELOPMENT, CHILD BEHAVIOR
** R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06570-05 Psychosocial evaluation of craniofacial patients

CHILD-MOTHER INTERACTION
SEE FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION

CHILDREN
SEE ALSO FAMILY
M P01DE-01697-24 Developmental research in cleft palate
** P01DE-01697-24 0041 Developmental research in cleft palate - Cleft palate repair and eustachian tube function in children
P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
P01DE-02847-18 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-05054-08 Periodontal disease--Microbiological studies (human)
R01DE-05253-07 Measurements of enamel permeability as related to caries (human)
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06112-06 Filled sealant as a conservative restorative material (human)
R01DE-06424-07 Development of oral tissues after early undernutrition (human)
R01DE-06541-04 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
P01DE-06946-03 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preorthodontic patients
** P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
M P50DE-07118-02 Periodontal diseases research center
** P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
** P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
** P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** P50DE-07118-02 9001 Periodontal diseases research center - Core--Data processing and statistics
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
R01DE-07493-01 Cariogenic potential of dental plaque fluid
R03DE-07549-01 Flow cytometric analyses of crevicular neutrophils (human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

CHILDREN, ADOLESCENCE (12 TO 21 YRS)
R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)
R03DE-07549-01 Flow cytometric analyses of crevicular neutrophils (human)

CHILDREN, HANDICAPPED CHILDREN
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)

CHILDREN, INFANT (BIRTH TO 1 YR)
P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)
P01DE-01850-23 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)

CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO PREGNANCY, PERINATAL
P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-07360-01 Oral-facial clefts in China a family study

CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT
SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis

CHILDREN, MIDCHILDHOOD (6 TO 12 YRS)
R23DE-06562-03 Fluoridation effects on dental demand (human)
P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects

CHILDREN, PRESCHOOL (1 TO 6 YRS)
P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)
P01DE-01850-23 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults

CHINESE
SEE SOCIAL GROUPS, ETHNIC, ASIANS, CHINESE

CHITIN
SEE PROTEOGLYCANS, CHITIN

CHL-A LOCUS (CHIMPANZEE)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

CHLORHEXIDINE
SEE GUANIDINES, BIGUANIDES, CHLORHEXIDINE

CHLORIDE PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, CHLORIDE PUMP

CHLORIDES
SEE HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS

CHLORINE (COMPOUNDS)
SEE HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS

7-CHLORO-7-DEOXYLINCOMYCIN HYDROCHLORIDE
SEE ANTIBIOTICS, LINCOMYCIN, CLINDAMYCIN

CHOLANATE SERIES, DEOXYCHOLATES
R01DE-05262-07 Mineralization in oral biology (mice, rats)

CHOLECALCIFEROL
SEE VITAMINS, VITAMIN D, CHOLECALCIFEROL

CHOLECYSTOKININ
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

CHOLEIC ACIDS
SEE CHOLANATE SERIES, DEOXYCHOLATES

CHOLINE, ACETYLCHOLINE
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC
SEE ALSO NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)

CHOLINE, CARBACHOL
R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)

CHOLINERGIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

CHOLINERGIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS

CHONDROCYTES
SEE SKELETAL SYSTEM, CARTILAGE CELLS

CHONDROGENESIS
SEE SKELETAL SYSTEM, CARTILAGE DEVELOPMENT

CHONDROITINASE (HYALURONOGLUCOSIDASE)
SEE CARBOHYDRASES, HYALURONIDASE

CHONDROITIN SULFATE
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, CHONDROITIN SULFATE

CHONDROMUCOPROTEINS
SEE PROTEOGLYCANS

CHORION
SEE PREGNANCY MEMBRANES, CHORION

CHROMATIN
SEE GENETICS, CHROMOSOMES, CHROMATIN

CHROMIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)

CHROMOSOME ABNORMALITIES
SEE GENETIC DISORDERS, CHROMOSOME ABNORMALITIES

CHROMOSOME COMPLEMENT
SEE GENETICS, CHROMOSOME COMPLEMENT

CHROMOSOME NUMBER ABNORMALITIES
SEE GENETIC DISORDERS, CHROMOSOME ABNORMALITIES

CHROMOSOME REPLICATION
SEE GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION

CHROMOSOMES
SEE GENETICS, CHROMOSOMES

CHRONIC DISEASES (DISORDERS)
SEE DISEASES, CHRONIC (GENERAL)

(contd)

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**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

CHRONIC TREATMENT, DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

CI GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

CIGARETTE SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

CIGARETTES
SEE CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS

CIGAR SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

CIGARS
SEE CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS

CILIARY MOVEMENT
SEE CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT

CIRCADIAN RHYTHMS
SEE BIOPERIODICITY, CIRCADIAN RHYTHMS

CIRCULATION
SEE CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)
SEE CARDIOVASCULAR SYSTEM
SEE SKELETAL SYSTEM CIRCULATION

13-CIS RETINOIC ACID
SEE VITAMINS, VITAMIN A, RETINOIC ACID, 13-CIS RETINOIC ACID

CISTRONS
SEE GENETICS, GENES

CITIES
SEE SOCIOENVIRONMENT, URBAN AREAS

CL
SEE HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS

CLASSICAL PATHWAY OF COMPLEMENT
SEE IMMUNOLOGY, COMPLEMENT PATHWAYS

CLEARINGHOUSES
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

CLEAVAGE
SEE CHEMICAL BONDS, BOND CLEAVAGE

CLEFT LIP
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP

CLEFT PALATE
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE

CLEFT PALATE PROSTHESIS
SEE ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS

CLEOCIN
SEE ANTIBIOTICS, LINCOMYCIN, CLINDAMYCIN

CLINDAMYCIN
SEE ANTIBIOTICS, LINCOMYCIN, CLINDAMYCIN

CLINICAL DATA COMPUTER PROCESSING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF CLINICAL DATA

CLINICAL RESEARCH CENTERS
M P50DE-04881-10 Clinical research in periodontal disease
M P50DE-04898-10 Periodontal disease research center
M P50DE-05139-09 Clinical research center for periodontal disease

CLONE CELLS
SEE TISSUE (CELL) CULTURE, CLONE CELLS*

CLONING OF NUCLEIC ACIDS, GENES AND PLASMIDS
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

CO
SEE METALS, HEAVY METALS, COBALT (COMPOUNDS)

COBALT (COMPOUNDS)
SEE METALS, HEAVY METALS, COBALT (COMPOUNDS)

COCARCINOGENS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, COCARCINOGENS

COCCI, GRAM-NEGATIVE
SEE BACTERIA, GRAM-NEGATIVE*

COCCI, GRAM-POSITIVE
SEE BACTERIA, GRAM-POSITIVE*

CODING (GENETIC)
SEE GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING

CODING (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

CODON
SEE GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING

COENZYME I
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

COENZYME II
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

COGNITION
SEE PSYCHOLOGY, COGNITION

COGNITION DISORDERS
SEE PSYCHOLOGY ABNORMAL, COGNITION DISORDERS

COGNITIVE CONTROL OF VISCERAL RESPONSES
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

COLCHICINE
SEE ALKALOIDS, COLCHICINE

COLD INSOLUBLE GLOBULIN (CIG)
SEE GLYCOPROTEINS, FIBRONECTIN

COLLAGEN
SEE FIBROUS PROTEINS, COLLAGEN

COLLAGEN DISEASES
SEE CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES

COLLAGENASE
SEE PROTEASES AND PEPTIDASES, COLLAGENASE

COMBINATION CHEMOTHERAPY
SEE DRUGS, CHEMOTHERAPY, DRUGS COMBINATION

COMMUNES (COMMUNAL LIVING)
SEE SOCIAL GROUPS, COMMUNES (COMMUNAL LIVING)

COMMUNICABLE DISEASE CONTROL
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
SEE ALSO INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)

COMMUNICABLE DISEASE CONTROL, GERM-FREE
P50DE-07010-03 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)

COMMUNICABLE DISEASE CONTROL AGENTS
SEE ALSO ANTIBIOTICS
SEE ALSO COMMUNICABLE DISEASES CHEMOTHERAPY
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, INTERFERONS
SEE ALSO IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)
P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)
** R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)

COMMUNICABLE DISEASE CONTROL AGENTS, ANTIBACTERIAL
SEE ALSO ANTIBIOTICS
** R01DE-03487-15 Inhibition of human cariogenic streptococci
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
** R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
** R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
P50DE-07010-03 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
R23DE-07076-01 Human salivary peroxidase purification and properties (rabbits)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
** R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)

COMMUNICABLE DISEASE CONTROL AGENTS, ANTIFUNGAL
R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)
** R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)
R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)

COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL
SEE ALSO VACCINES, VIRAL VACCINES (GENERAL)
** R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)
R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)

COMMUNICABLE DISEASE TRANSMISSION
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)

COMMUNICABLE DISEASE TRANSMISSION, CARRIER STATE (COMMUNICABLE DISEASE)
R03DE-07575-01 Salivary HBsAg and periodontal disease

COMMUNICABLE DISEASES CHEMOTHERAPY
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)

COMMUNICABLE DISEASES DIAGNOSIS*
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)

COMPLEMENT
SEE IMMUNOLOGY, COMPLEMENT

COMPLEMENT ACTIVATION
SEE IMMUNOLOGY, COMPLEMENT PATHWAYS

COMPLEMENT INHIBITORS
SEE IMMUNOLOGY, COMPLEMENT INHIBITORS AND INACTIVATORS

COMPLEMENT PATHWAYS
SEE IMMUNOLOGY, COMPLEMENT PATHWAYS

COMPLEMENT RECEPTORS
SEE IMMUNOLOGY, COMPLEMENT RECEPTORS

COMPLEMENTARY DNA
SEE NUCLEIC ACIDS, COMPLEMENTARY DNA

COMPLEXES
SEE METAL COMPLEXES

COMPLIANCE OF PATIENT WITH THERAPY REGIMEN
SEE THERAPY COMPLIANCE

COMPLICATIONS (DISEASE ORIENTED)
SEE DISEASES, COMPLICATIONS

COMPLICATIONS OF CANCER
SEE NEOPLASMS, CANCER COMPLICATIONS OF

COMPOSITE RESINS
SEE DENTAL MATERIALS, COMPOSITE RESINS

COMPUTER (GENERAL) INCL COMPUTER DATA PROCESSING (GENERAL)
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED
R43DE-07817-01 A system to monitor mandibular movements in real time
R43DE-07835-01 Computer aided dentistry

COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, PATIENT MONITORING (MONITORING DEVICES)
SEE ALSO COMPUTER SIMULATION
SEE ALSO OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*
R43DE-07835-01 Computer aided dentistry

COMPUTER, DESIGN AND EVALUATION OF COMPUTERS (INCL. HARDWARE)
R43DE-07817-01 A system to monitor mandibular movements in real time

COMPUTER, ON-LINE COMPUTERS*
SEE ALSO BIOMEDICAL SYSTEMS AUTOMATED, PATIENT MONITORING (MONITORING DEVICES)
SEE ALSO COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS
P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
P50DE-07118-02 9001 Periodontal diseases research center - Core--Data processing and statistics
R43DE-07817-01 A system to monitor mandibular movements in real time

COMPUTER ANALYSIS*
R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
R03DE-07578-01 Stereogrammetric analysis of wear of composite
** R43DE-07817-01 A system to monitor mandibular movements in real time

COMPUTER ASSISTED DIAGNOSIS
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS

COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING

COMPUTER CONTROL SYSTEMS (GENERAL)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

COMPUTER DESIGN
SEE COMPUTER, DESIGN AND EVALUATION OF COMPUTERS (INCL. HARDWARE)

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**Oriented significantly to above subject.

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COMPUTER DIAGNOSIS
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED DIAGNOSIS

COMPUTER EVALUATION
SEE COMPUTER, DESIGN AND EVALUATION OF COMPUTERS (INCL. HARDWARE)

COMPUTER GRAPHICS
SEE COMPUTER PRINTING-GRAPHICS (GENERAL)

COMPUTER HARDWARE
SEE COMPUTER, DESIGN AND EVALUATION OF COMPUTERS (INCL. HARDWARE)

COMPUTER INFORMATION RETRIEVAL
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

COMPUTER PATIENT MONITORING
SEE BIOMEDICAL SYSTEMS AUTOMATED, PATIENT MONITORING (MONITORING DEVICES)

COMPUTER PATTERN RECOGNITION (OTHER THAN IMAGE-WAVESHAPE, OR COMPUTER SIMULATION OR DIAGNOSIS)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

COMPUTER PRINTING-GRAPHICS (GENERAL)
SEE ALSO OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*
R01DE-06720-03 Resistance of various restorative materials
R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
** R43DE-07835-01 Computer aided dentistry

COMPUTER PROCESSING OF BIOMEDICAL DATA (GENERAL)
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

COMPUTER PROCESSING OF CLINICAL DATA
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF CLINICAL DATA

COMPUTER PROCESSING OF LABORATORY (BIOMEDICAL) DATA (GENERAL)
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

COMPUTER PROGRAMMING*
R01DE-04068-12 Statistical methods in dental research
R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
R43DE-07817-01 A system to monitor mandibular movements in real time
R43DE-07835-01 Computer aided dentistry

COMPUTER SIMULATION
SEE ALSO MODELS, MATHEMATICAL
R01DE-03953-12 Force systems from orthodontic appliances
R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
R01DE-05354-09 Prevention of dental caries
R01DE-05476-06 Novel peptide derived sweeteners
R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
R01DE-06881-04 Oral facial morphology and breathing--Quantitative studies (human)
R43DE-07700-01 Compton scatter tomography for maxillodental imaging
** R43DE-07835-01 Computer aided dentistry

COMPUTERIZED DATA BANKS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

COMPUTERIZED INFORMATION SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

CONCANAVALIN A
SEE PLANTS PROTEINS, LECTINS, CONCANAVALIN A

CONDENSATION
SEE PHYSICAL PROPERTIES, EVAPORATION-CONDENSATION

CONDITIONING (AUTOGENIC)(BIOFEEDBACK)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

CONDYLE, MANDIBULAR
SEE ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE

CONFERENCES
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA

CONFORMATIONS (CHEMISTRY)
SEE CHEMICAL STRUCTURE, STEREOCHEMISTRY, CONFORMATIONS

CONGENITAL ABNORMALITIES
SEE ALSO GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)
P50DE-02600-20 0047 Support for oral biology research center - Genetic aspects of periodontal diseases
** P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
R03DE-07373-01 Sweat pore counts in ectodermal dysplasia and hypodontia

CONGENITAL ABNORMALITIES, DENTITION
** P01DE-01697-24 0045 Developmental research in cleft palate - Innervation of the human primary upper dentition
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)

CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics

CONGENITAL ABNORMALITIES, FUSION FAILURES
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)

CONGENITAL ABNORMALITIES, HEART DEFECTS
R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP
P01DE-01697-24 0042 Developmental research in cleft palate - Speech science project
P01DE-03610-20 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
** R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04940-08 Muscular disorders in craniofacial malformations (human)
** R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
** R01DE-06570-05 Psychosocial evaluation of craniofacial patients
** R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
** R01DE-06881-04 Oral facial morphology and breathing--Quantitative studies (human)
R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-07332-02 Analysis of utility of implants in craniofacial research
** R23DE-07380-01 Effects of CNS lesions on mastication and skull form (rats)
** R03DE-07419-01 Growth hormone--Craniofacial malformations, sleep apnea (human)
** R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)
R23DE-07460-01 Longitudinal epidemiological study of TMJ disorders
** R01DE-07499-01 Quantitative study of the face in ectodermal dysplasia
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP
** P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
M P01DE-05837-05 Growth, surgical, and speech aspects of cleft palate
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
** R01DE-06069-04 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)
** R01DE-07360-01 Oral-facial clefts in China a family study
R13DE-07603-01 Craniofacial surgery--Symposium on longterm results
** R03DE-07912-01 Carbon monoxide effects on cleft lip development in mice

CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE
M P01DE-01697-24 Developmental research in cleft palate
** P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)
** P01DE-01697-24 0042 Developmental research in cleft palate - Speech science project
** P01DE-01697-24 0043 Developmental research in cleft palate - Chimpanzee model of SL-traction and perinatal midfacial growth
** P01DE-01697-24 0044 Developmental research in cleft palate - Archive of normal and cleft palate fetal histology
** P01DE-01697-24 0045 Developmental research in cleft palate - Innervation of the human primary upper dentition
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
M P01DE-05837-05 Growth, surgical, and speech aspects of cleft palate
** P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
** R01DE-06069-04 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)
** R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
** R01DE-07105-02 Speech aerodynamics--Regulation/control in cleft palate (human)
** R01DE-07360-01 Oral-facial clefts in China a family study
R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)
R13DE-07603-01 Craniofacial surgery--Symposium on longterm results
R01DE-07674-01 Analysis of primary palate formation (chick embryos)
** R03DE-07852-01 TCDD alteration in gene expression and cleft palate (mice)
R03DE-07912-01 Carbon monoxide effects on cleft lip development in mice

CONGENITAL ABNORMALITIES, SKIN, EPIDERMOLYSIS BULLOSA
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)

CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO GENETICS, MUTAGENS
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
** R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R03DE-07852-01 TCDD alteration in gene expression and cleft palate (mice)
** R03DE-07912-01 Carbon monoxide effects on cleft lip development in mice

CONGENITAL DISEASES
SEE CONGENITAL ABNORMALITIES

CONGENITAL HEART DISEASE
SEE CONGENITAL ABNORMALITIES, HEART DEFECTS

CONJUGATION MICROORGANISMS
SEE REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS

CONNECTIVE TISSUE (GENERAL)
SEE ALSO DENTAL STRUCTURE, PERIODONTIUM
SEE ALSO FIBROUS PROTEINS, COLLAGEN
SEE ALSO FIBROUS PROTEINS, ELASTIN
SEE ALSO MEMBRANE, BASEMENT MEMBRANE
SEE ALSO SKELETAL SYSTEM, BONE
SEE ALSO SKELETAL SYSTEM, CARTILAGE
SEE ALSO SKELETAL SYSTEM, LIGAMENT
SEE ALSO SKELETAL SYSTEM, TENDONS
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
** P50DE-02600-20 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
** P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans
P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

** P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
** R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
R01DE-07512-01 Regeneration of the periodontium--An in vitro study

CONNECTIVE TISSUE, MESENCHYME
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)
R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
R23DE-07190-02 Craniofacial ossification during anuran metamorphosis
** R01DE-07674-01 Analysis of primary palate formation (chick embryos)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

CONNECTIVE TISSUE CELLS
SEE ALSO BLOOD AND RE SYSTEM, MACROPHAGES
SEE ALSO BLOOD AND RE SYSTEM, MAST CELLS
SEE ALSO DENTAL STRUCTURE, ODONTOBLASTS
SEE ALSO MUSCLE CELLS
SEE ALSO SKELETAL SYSTEM, BONE CELLS
SEE ALSO SKELETAL SYSTEM, CARTILAGE CELLS
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)

CONNECTIVE TISSUE CELLS, FIBROBLASTS
SEE ALSO GROWTH FACTORS (INCL ANABOLICS), FIBROBLAST GROWTH FACTOR
P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
** P50DE-02600-20 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
** R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05690-05 Localization of the procollagens in dental tissues (rats, mice, rabbits)
R01DE-05817-06 Cellular mechanisms of collagen breakdown (human, animals)
** R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
R01DE-06541-04 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
R23DE-06766-03 Surgical regeneration of the periodontium (dogs)
R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R03DE-07014-02 Human PDL cell attachment to root surfaces
R01DE-07220-02 Bioactive factors in skeletal repair (rabbits, rats)
R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
** R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
** R01DE-07512-01 Regeneration of the periodontium- An in vitro study
** R03DE-07582-01 Effect of cyclosporine on human gingival fibroblasts
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

CONNECTIVE TISSUE DEVELOPMENT
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT
SEE ALSO SKELETAL SYSTEM, CARTILAGE DEVELOPMENT
R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)

CONNECTIVE TISSUE DISORDERS (GENERAL)
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
SEE ALSO SKELETAL DISORDERS, BONE DISORDERS (GENERAL)
SEE ALSO SKELETAL DISORDERS, CARTILAGE DISORDERS
SEE ALSO SKELETAL DISORDERS, JOINT DISORDERS
SEE ALSO SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA
** P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES
SEE ALSO CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA
P50DE-02600-20 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
P50DE-02670-20 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
** R01DE-03301-16 Connective tissues of the periodontium (human, dog)

CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
** R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)
R03DE-07747-01 Viral infection & salivary gland graft-vs host disease (mice, rats)

CONNECTIVE TISSUE DISORDERS CHEMOTHERAPY
SEE ALSO SKELETAL DISORDERS CHEMOTHERAPY
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

CONNECTIVE TISSUE HYPERPLASIA, FIBROSIS SUBCUTANEOUS
P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
R03DE-07568-01 Cyclosporine-A induced gingival overgrowth in beagles (dogs)

CONNECTIVE TISSUE METABOLISM
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM
SEE ALSO SKELETAL SYSTEM, CARTILAGE METABOLISM
P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02670-20 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
** R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
** R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
P01DE-06946-03 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)

CONNEXONS
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

CONSTANT REGION (CL,CH) GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

CONSUMER PRODUCTS, GLUES AND ADHESIVES
SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS
** R01DE-08058-01 The adhesive of Mytilus byssus

CONSUMER PRODUCTS, MOUTHWASHES
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07010-03 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)

CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS
SEE ALSO PSYCHOLOGY, HABITS, SMOKING
SEE ALSO PYRIDINES, NICOTINE
** R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
** R23DE-07796-01 Identification of mutagens in smokeless tobacco

CONTAMINATION (GENERAL)
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

CONTRACTILE PROTEINS
SEE MUSCLE PROTEINS (AND CONTRACTILE PROTEINS)

CONTRACTION
SEE MUSCLE FUNCTION, MUSCLE CONTRACTION

CONTROL
SEE COMMUNICABLE DISEASE CONTROL

CONTROL, LOCUS OF
SEE PSYCHOLOGY SOCIAL, LOCUS OF CONTROL

CONTROL OF BIOHAZARDS
SEE INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)

CONTROL OF VISCERAL RESPONSES BY SELF REGULATION
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

CONVERTING VIRUSES
SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES

COOPERATION
SEE PSYCHOLOGY SOCIAL, COOPERATION

COOPERATIVE MODEL
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

COORDINATION COMPOUNDS, METAL
SEE METAL COMPLEXES

COPING BEHAVIOR
SEE PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR

COPOLYMER 1
SEE PEPTIDES, SYNTHETIC PEPTIDES

COPPER (COMPOUNDS)
SEE METALS, HEAVY METALS, COPPER (COMPOUNDS)

CORNIFICATION
SEE GROWTH AND DEVELOPMENT, KERATINIZATION

CORTISONE
SEE ADRENAL CORTEX HORMONES, CORTISONE

COUNSELING (PSYCHOLOGY)
SEE MENTAL HEALTH SERVICES, COUNSELING

COUNSELING, GENETIC
SEE GENETIC DISORDERS, GENETIC COUNSELING

COVALENT BONDS
SEE CHEMICAL BONDS, COVALENT

CR
SEE METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)

CRABTREE EFFECT
SEE HEXOSES, GLYCOLYSIS

CRANIAL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

CRANIAL NERVES
SEE NERVOUS SYSTEM, CRANIAL NERVES

CRANIOFACIAL ABNORMALITIES (GENERAL)
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

CRANIUM
SEE SKELETAL SYSTEM, SKULL

CREATININE
SEE AMINO ACIDS, CREATININE

CRECITUS
SEE MAMMALS, RODENTS, MYOMORPHA, HAMSTERS*

CRIPPLED CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

CROSS IMMUNITY
SEE IMMUNITY, CROSS IMMUNITY

CROSSLINKS (CHEMICAL BONDS)
SEE CHEMICAL BONDS, CROSSLINKS

CROWNWORK
SEE DENTAL PROSTHESIS

CRYSTALLIZATION
SEE PHYSICAL PROPERTIES, CRYSTALS, CRYSTALLIZATION

CRYSTALS
SEE PHYSICAL PROPERTIES, CRYSTALS, CRYSTALLIZATION

CUBAN AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS

CU
SEE METALS, HEAVY METALS, COPPER (COMPOUNDS)

CULTURE
SEE SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE

CULTURE, EMBRYO, FETUS
SEE PREGNANCY, EMBRYO-FETUS CULTURE

CULTURE MEDIA
SEE GROWTH MEDIA

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

CULTURES
SEE GROWTH MICROORGANISMS, MICROBIAL CULTURE
SEE TISSUE (CELL) CULTURE*

CURARIFORM DRUGS
SEE MUSCLE RELAXANTS

CURETTAGE SUBGINGIVAL
SEE DENTISTRY, SUBGINGIVAL CURETTAGE

CUTANEOUS SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

CUTANEOUS SENSORY NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES

CYANATES
SEE ALSO THIOCYANATES
R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)

CYBERNETICS
SEE BIOMEDICAL SYSTEMS AUTOMATED, MONITORING DEVICES
SEE BIOMEDICAL SYSTEMS AUTOMATED, PATIENT MONITORING (MONITORING DEVICES)

CYBERNETICS (COMPUTER ARTIFICIAL INTELLIGENCE (GENERAL))
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

CYBERNETICS (COMPUTER) GENERAL
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

CYBERNETICS (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

CYCLAMATES
SEE FOOD, SWEETENING AGENTS

CYCLASE (ADENYL CYCLASE)
SEE NUCLEOTIDYL-CYCLASES, ADENYLATE CYCLASE

CYCLASE, GUANYL CYCLASE
SEE NUCLEOTIDYL-CYCLASES, GUANYLATE CYCLASE

CYCLIC AMINO ACIDS, DOPA
R01DE-08058-01 The adhesive of Mytilus byssus

CYCLIC AMINO ACIDS, HISTIDINE
R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)
** R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)

CYCLIC AMINO ACIDS, PHENYLALANINE ANALOGS
R01DE-05476-06 Novel peptide derived sweeteners

CYCLIC AMINO ACIDS, PROLINE
R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
R03DE-07587-01 Antibody responses to IgA1 and IgG protease
R01DE-08058-01 The adhesive of Mytilus byssus

CYCLIC AMINO ACIDS, PROLINE, HYDROXYPROLINE
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-06953-03 Hydroxyproline levels in periodontal health and disease (dogs)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
R01DE-08058-01 The adhesive of Mytilus byssus

CYCLIC AMINO ACIDS, PROLINE, 3-HYDROXYPROLINE
R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)

CYCLIC AMINO ACIDS, TRYPTOPHAN
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin

CYCLIC AMINO ACIDS, TYROSINE
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-08058-01 The adhesive of Mytilus byssus

CYCLIC AMP
SEE PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC

3',5'-CYCLIC-AMP PHOSPHODIESTERASE
SEE NUCLEASES, CYCLIC NUCLEOTIDE PHOSPHODIESTERASE

CYCLIC COMPOUNDS (GENERAL)
SEE CYCLICS (CYCLIC COMPOUNDS) GENERAL

CYCLIC GMP
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC

CYCLIC NUCLEOSIDE MONOPHOSPHATES
SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC

CYCLIC NUCLEOTIDE PHOSPHODIESTERASE
SEE NUCLEASES, CYCLIC NUCLEOTIDE PHOSPHODIESTERASE

CYCLIC NUCLEOTIDES
SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC

CYCLIC PHOSPHODIESTERASE
SEE NUCLEASES, CYCLIC NUCLEOTIDE PHOSPHODIESTERASE

CYCLICS (CYCLIC COMPOUNDS) GENERAL
SEE ALSO BICYCLIC COMPOUNDS (GENERAL)
R01DE-05476-06 Novel peptide derived sweeteners

CYCLICS, CARBOPOLYCYCLICS, BENZANTHRACENES
R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
** R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

CYCLICS, SPIRANES
R43DE-07543-01 Dental restoratives from polymers that expand when cured

CYCLOHEPTANES, AMITRIPTYLINE
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

CYCLOHEPTANES, NORTRYPTYLINE
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

CYCLOHEXANE SULFAMIC ACID
SEE FOOD, SWEETENING AGENTS

CYCLOOXYGENASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

CYCLOPHOSPHAMIDE
SEE HALOALKYLAMINES, CYCLOPHOSPHAMIDE

CYCLOSPORIN A
SEE ANTIBIOTICS, CYCLOSPORIN A

CYCLOSPORINE
SEE ANTIBIOTICS, CYCLOSPORIN A

CYNOPITHECUS
SEE MAMMALS, PRIMATES, MONKEYS AND APES, OLD WORLD MONKEYS, MACACA SP.*

CYSTEINE
SEE SULFUR AMINO ACIDS, CYSTEINE

CYSTIC FIBROSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

CYTOCHEMISTRY
SEE HISTOCHEMISTRY AND CYTOCHEMISTRY (GENERAL)*

CYTOFLUOROMETRY-CYTOPHOTOMETRY, FLOW
SEE CELL SORTING, LASER

CYTOGENETICS
SEE GENETICS, CYTOGENETICS

CYTOLYSIS
SEE CELL DESTRUCTION, CYTOLYSIS

CYTOMATRIX
SEE CELL COMPONENTS, CYTOPLASM

CYTOMEGALOVIRUSES
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

CYTOPATHOGENIC EFFECT BACTERIAL
SEE BACTERIAL DISEASES, CYTOPATHOGENIC EFFECT BACTERIAL

CYTOPATHOGENIC EFFECT VIRAL
SEE VIRUS DISEASE CHARACTERISTICS, CYTOPATHOGENIC EFFECT VIRAL

CYTOPLASM
SEE CELL COMPONENTS, CYTOPLASM

CYTOPLASMIC GROUND SUBSTANCE (MATRIX)
SEE CELL COMPONENTS, CYTOPLASM

CYTOSKELETAL PROTEINS
SEE FIBROUS PROTEINS, KERATIN
SEE MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), ACTIN
SEE MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), TUBULIN

CYTOSKELETON
SEE CELL COMPONENTS, CYTOSKELETON

CYTOSOL
SEE CELL COMPONENTS, CYTOPLASM

CYTOTOXICITY
SEE TOXICOLOGY, CYTOTOXICITY

CYTOTOXICITY, LEUKOCYTE MEDIATED
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

CYTOXAN
SEE HALOALKYLAMINES, CYCLOPHOSPHAMIDE

D GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

DANLOS SYNDROME
SEE METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME

DARK REPAIR
SEE NUCLEIC ACIDS REPAIR

DATA BANKS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DATA MANAGEMENT SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DATA MONITORING AND REPORTING SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DATA RETRIEVAL
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

DECALCIFICATION PATHOLOGIC
SEE CALCIUM (MINERAL) IMBALANCES, DECALCIFICATION PATHOLOGIC

DECALCIFICATION PHYSIOLOGIC
SEE CALCIUM (MINERAL) BALANCE, DECALCIFICATION PHYSIOLOGIC

DECISION MAKING
SEE PSYCHOLOGY, COGNITION, DECISION MAKING

DECISION MAKING, COMPUTER ASSISTED MEDICAL DECISION MAKING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER ASSISTED MEDICAL DECISION MAKING

DECISION MAKING, HEALTH CARE EVALUATION
SEE HEALTH CARE (SERVICES) (RESOURCES) ANALYSIS AND EVALUATION

DEFLUORIDATION
SEE HALOGENATION, FLUORIDATION-DEFLUORIDATION

DEGENERATIVE JOINT DISEASE
SEE SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS

DEGLUTITION
SEE GASTROINTESTINAL FUNCTION, DEGLUTITION

DEHYDRASES
SEE OXIDOREDUCTASES, DEHYDROGENASES

DEHYDRATASES, CARBONIC ANHYDRASE
R01DE-04345-11 Cell biology of osteoclasts (chickens)
R01DE-07431-09 Ultrastructual studies of mineralized tissue (chicks, rats)

DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)

DEHYDRATION
SEE CHEMICAL REACTIONS, HYDRATION-DEHYDRATION

7-DEHYDROCHOLESTEROL (ACTIVATED)
SEE VITAMINS, VITAMIN D, CHOLECALCIFEROL

DEHYDROGENASES
SEE OXIDOREDUCTASES, DEHYDROGENASES

DELIVERY OF HEALTH CARE
SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT

DEMETHYLATION
SEE ALKYL (GROUPS), METHYLATION-DEMETHYLATION

DEMOGRAPHY
SEE POPULATION STUDIES HUMAN

DENDRITES
SEE NERVOUS SYSTEM, NEURONS, DENDRITES

DENERVATION
SEE NEUROSURGERY, DENERVATION (GENERAL)

DENSITY, BONE
SEE SKELETAL SYSTEM, BONE DENSITY

DENTAL ABSCESS
R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)

DENTAL ADHESIVES
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

DENTAL AGENTS
SEE ALSO DENTAL CARIES INHIBITORS
SEE ALSO DENTIFRICES
** R43DE-07707-01 Anti-calculus agents

DENTAL ALVEOLUS
SEE DENTAL STRUCTURE, DENTAL ALVEOLUS

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

DENTAL ANESTHESIA
SEE SENSORY DEPRESSION, ANESTHESIA DENTAL

DENTAL CALCULUS
SEE DENTAL DEPOSITS

DENTAL CARIES
SEE ALSO DENTAL FILLINGS
SEE ALSO VACCINES, BACTERIAL, ANTI-CARIES VACCINE
** R01DE-01554-25 Host factors in caries resistance (human, bacteria)
M P50DE-02670-20 Institute of dental research
** P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
** P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** P50DE-02670-20 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory
** P50DE-02731-20 0037 Development support for dental research institute - Surface science laboratory
P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
** P01DE-02847-18 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
** R37DE-03187-15 Transport in enamel and solubility of enamel (human)
R01DE-03223-16 Kinetics of mineralization of teeth (human)
** R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
** R01DE-03487-15 Inhibition of human cariogenic streptococci
R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-14 Glycosyltransferases from oral bacteria
** R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04123-10 Formation/stability of apatites
** R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
** R01DE-04385-11 Mechanism of dental caries
** R01DE-04529-10 Replacement therapy of dental caries (rats)
R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
** R01DE-04971-08 Salivary mucins and dental diseses (human)
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
** R01DE-05253-07 Measurements of enamel permeability as related to caries (human)
** R01DE-05454-09 Prevention of dental caries
R01DE-05476-06 Novel peptide derived sweeteners
R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
R01DE-06071-03 Calcium metabolism in Streptococcus mutans
** R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06112-06 Filled sealant as a conservative restorative material (human)
R01DE-06424-02 Development of oral tissues after early undernutrition (human)
** R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-05 Quantitation of enamel demineralization mechanisms
R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R01DE-06740-03 Human antibody responsiveness and dental caries
** R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06761-03 Prevention of surface zone limited caries of enamel
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
** R01DE-06951-03 Study of F actions on human root surface caries
R01DE-06954-02 Structural studies of matrix proteins in teeth and bone
M P50DE-07003-03 Rochester caries research center
P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans
** P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
** P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
M P50DE-07009-03 Specialized caries research centers
** P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-03 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
** P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** P50DE-07009-03 0004 Specialized caries research centers - Immunological aspects of root caries (human)
** P50DE-07009-03 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
** P50DE-07009-03 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
M P50DE-07010-03 Specialized caries research center
P50DE-07010-03 0002 Specialized caries research center - Influence of plaque pH on mineralization
** P50DE-07010-03 0004 Specialized caries research center - Carbohydrates in root caries
** P50DE-07010-03 0005 Specialized caries research center - Immunological investigation of root surface caries
P50DE-07010-03 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
** P50DE-07010-03 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
** P50DE-07010-03 0008 Specialized caries research center - Enrichment program
** P50DE-07010-03 0009 Specialized caries research center - Microbiological aspects of root surface caries
** P50DE-07010-03 0010 Specialized caries research center - TSRLM project
** P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
** R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
** R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
R01DE-07199-02 Adherence factors of oral streptococci (human)
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
** R01DE-07257-03 IgA protease and dental caries
** R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)
R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis
** R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)
** R01DE-07375-02 Dietary factors and root caries in animals (hamsters)
R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)
** R01DE-07493-01 Cariogenic potential of dental plaque fluid
R03DE-07587-01 Antibody responses to IgA1 and IgG protease
** R03DE-07714-01 Biochemical responses in plaque fluid to reference foods
** R03DE-07724-01 Microbial tests in the management of dental caries (human)
** R03DE-07729-01 Biopsy technique for studying experimental enamel lesion (cattle)
** R03DE-07855-01 Public knowledge and opinion--Fluorides/fluoridation (human)
** R01DE-07986-01 Incidence and prevalence of root caries in the elderly (human)
** R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

DENTAL CARIES INHIBITORS
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)
SEE ALSO VACCINES, BACTERIAL, ANTI-CARIES VACCINE
P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-02525-20 Ultrastructural histopathology of human dental enamel
** P50DE-02670-20 0036 Institute of dental research - Dental caries preventive measures (rats)
R37DE-03187-15 Transport in enamel and solubility of enamel (human)
R01DE-03223-16 Kinetics of mineralization of teeth (human)
** R01DE-03487-15 Inhibition of human cariogenic streptococci
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-04123-10 Formation/stability of apatites
** R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
** R01DE-04486-09 Kinetics and mechanisms of action of fluorides (human)
** R01DE-04529-10 Replacement therapy of dental caries (rats)
R01DE-05067-08 Interaction of topical fluoride with human enamel (rats, hamsters)
** R01DE-05354-09 Prevention of dental caries
** R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
** R01DE-06951-03 Study of F actions on human root surface caries
** P50DE-07003-03 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07009-03 0008 Specialized caries research centers - Dental materials (monkeys)
** P50DE-07010-03 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
** R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)
** R01DE-07455-01 Prevention of root caries with fluoride (hamsters)
** R03DE-07565-01 Ecological competition among oral streps
R01DE-07755-01 Placental transfer of fluoride in the guinea pig

DENTAL CARIES INHIBITORS, SLOW RELEASE
** R43DE-07704-01 Long acting polymer/fluoride mouthrinse

DENTAL CARIES VACCINE
SEE VACCINES, BACTERIAL, ANTI-CARIES VACCINE

DENTAL DEPOSITS
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
** R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
R01DE-06250-04 Histologic evaluation of new attachments in humans
** R43DE-07707-01 Anti-calculus agents

DENTAL DEPOSITS, PLAQUE
SEE ALSO MICROBIAL MATTS
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** P01DE-01850-23 0092 Nutritional sources and metabolic roles of fluoride - Forms of fluoride in plaque (humans, rats)
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
** P50DE-02623-19 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
** P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)
** P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
** R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-03246-17 Dynamic properties of the cytoskeleton
R01DE-03487-15 Inhibition of human cariogenic streptococci
** R01DE-03488-15 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
** R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04385-11 Mechanism of dental caries
** R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
P50DE-04881-10 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04881-10 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

P50DE-04898-10 0002 Periodontal disease research center Host response in periodontal disease (human, rabbits, rats, mice)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
R01DE-05251-07 Salivary gland secretory mechanisms (rats)
R01DE-05501-05 Platelet Streptococcal interactions in endocarditis (human, rabbits)
R01DE-05606-06 Fimbriae of S sanguis and their role in adhesion (mice, rabbits)
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
R01DE-06103-04 Evaluation of four modalities of periodontal therapy
R01DE-06127-04 Acid-base physiology of oral streptococci
R01DE-06153-05 Antibody to glucosyltransferase in adults and children
** R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
** R01DE-06417-03 Factors influencing long-term oral self-care (human)
R01DE-06622-03 Molecular mechanisms of periodontal disease
R01DE-06740-03 Human antibody responsiveness and dental caries
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
** P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07009-03 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** P50DE-07010-03 0002 Specialized caries research center - Influence of plaque pH on mineralization
** P50DE-07010-03 0003 Specialized caries research center - Radioteiemetric evaluation of interproximal plaque pH (human)
P50DE-07010-03 0005 Specialized caries research center - Immunological investigation of root surface caries
** P50DE-07010-03 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
P50DE-07010-03 0010 Specialized caries research center - TSPLM project
P50DE-07117-02 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
** R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
R01DE-07257-03 IgA protease and dental caries
** R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)
R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)
** R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)
R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)
** R01DE-07493-01 Cariogenic potential of dental plaque fluid
R03DE-07565-01 Ecological competition among oral streps
** R43DE-07707-01 Anti-calculus agents
** R03DE-07714-01 Biochemical responses in plaque fluid to reference foods
** R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)
** R03DE-07856-01 Methanogenic bacteria in subgingival dental plaque (human)
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

DENTAL DEPOSITS REMOVAL

R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
** R01DE-06417-03 Factors influencing long-term oral self-care (human)
P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)

DENTAL DEVELOPMENT

SEE ALSO CONGENITAL ABNORMALITIES, DENTITION
SEE ALSO DENTAL STRUCTURE, AMELOBLASTS
SEE ALSO DENTAL STRUCTURE, ENAMEL ORGAN
SEE ALSO DENTAL STRUCTURE, ODONTOBLASTS
** P01DE-01697-24 0045 Developmental research in cleft palate - Innervation of the human primary upper dentition
** R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
P50DE-02600-20 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02623-19 0036 Center for oral health research - Enamel proteins and their genes
** P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
** P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
M P01DE-02848-16 Biology of connective tissue, bones, and teeth
P01DE-02848-16 0013 Biology of connective tissue, bones, and teeth - Extra cellular matrix influences of epithelial gene expression--Cementogenesis
** R01DE-03223-16 Kinetics of mineralization of teeth (human)
P01DE-03610-20 0016 Craniofacial growth and development - Craniofacial growth from change (human)
P01DE-03610-20 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
** R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)
** R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
** R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
R01DE-05354-09 Prevention of dental caries
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)
** R01DE-05780-04 Development and mineralization of enamel in teeth
** R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-05996-05 Alveolar bone metabolism during tooth eruption (dogs)
R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06424-02 Development of oral tissues after early undernutrition (human)
** R01DE-06952-03 Enamel secretory matrix protease (cattle, rats)
R01DE-06955-03 Epidermal growth factor and tooth development (mice)
** R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
R01DE-07332-02 Analysis of utility of implants in craniofacial research
** R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
** R03DE-07428-01 Twin half-sibs--A new genetic model for dental traits
** R01DE-07444-01 Tooth eruption and bone resorption (mice, rats)
** R03DE-07553-01 Family data for dental multifactorial genetic research
** R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)
R03DE-07597-01 Craniofacial growth in giant transgenic mice
** R01DE-07623-01 Mechanisms for enamel mineralization (mammals)
** R03DE-07894-01 Morphological and biochemical studies of opossum enamel
** R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

DENTAL DEVELOPMENT, DENTINOGENESIS

P01DE-01697-24 0045 Developmental research in cleft palate - Innervation of the human primary upper dentition
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P01DE-02848-16 0012 Biology of connective tissue, bones, and teeth - Molecular genetics of dentine (mice)
** R01DE-05092-08 Proteins involved in dentinogenesis
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
** R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R23DE-07075-02 Tissue interactions in root development (mice)
** R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)
R43DE-07704-01 Long acting polymer fluoride mouthrinse
** R03DE-07870-01 Tetracycline binding to dentin (human)

DENTAL DISCOLORATION

R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
** R03DE-07870-01 Tetracycline binding to dentin (human)

DENTAL DISCOLORATION, DENTAL MOTTLING

SEE ALSO HALOGEN POISONING, FLUOROSIS
R01DE-05996-02 Biological molecules in the corrosion of dental alloys

DENTAL DISORDERS

SEE ALSO CONGENITAL ABNORMALITIES, DENTITION
SEE ALSO DENTAL ABSCESS
SEE ALSO DENTAL PULP DISORDERS
SEE ALSO ORAL PHARYNGEAL DISORDERS (GENERAL)
** P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
M P01DE-02847-18 Microbial ecology and its relation to dental disease
P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
** R01DE-05497-05 Dental disease and work loss (human)
R01DE-06424-02 Development of oral tissues after early undernutrition (human)
R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
R01DE-07464-01 Low dose image receptors for intra oral dental radiography
R03DE-07519-01 Stress, malocclusion and masseter muscle activity

DENTAL DISORDERS, GINGIVAL

P50DE-02600-20 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** R01DE-04068-12 Statistical methods in dental research
P50DE-04881-10 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04881-10 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)
R01DE-06103-04 Evaluation of four modalities of periodontal therapy
R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
R01DE-06622-03 Molecular mechanisms of periodontal disease
** R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
** R03DE-07877-01 Microcirculation of the hamster gingiva
R01DE-07986-01 Incidence and prevalence of root caries in the elderly (human)

DENTAL DISORDERS, GINGIVAL HYPERPLASIA

** R01DE-06541-04 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
** R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
** R03DE-07568-01 Cyclosporine-A induced gingival overgrowth in beagles (dogs)

DENTAL DISORDERS, GINGIVITIS

** P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)
P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
P50DE-04881-10 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
R01DE-05054-08 Periodontal disease--Microbiological studies (human)
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
** R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06740-03 Human antibody responsiveness and dental caries
** R23DE-06832-03 Experimental diabetes and periodontitis (monkeys)
R01DE-06953-03 Hydroxyproline levels in periodontal health and disease (dogs)
P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
R01DE-07128-03 Microcology of ligature-induced periodontitis (monkeys)
R01DE-07381-02 Prevalence of xerostoma--Relation to selected variables (human)
R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)
** R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
R03DE-07591-01 Mast cells in periodontal inflammation (mice)
** R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)
** R01DE-07718-01 Professional education and patient periodontal health
R23DE-07746-01 Non-invasive assessment of periodontal disease activity (monkeys)
R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens
R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

DENTAL DISORDERS, MALOCCLUSION

SEE ALSO DENTAL OCCLUSION
SEE ALSO DENTISTRY, ORTHODONTICS
** R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
P01DE-03610-20 0016 Craniofacial growth and development - Craniofacial growth from change (human)
P01DE-03610-20 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-06300-04 porous polyethylene and porous polysulfone tooth roots (monkeys)
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** P01DE-06946-03 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
P01DE-06946-03 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients
R43DE-07387-01 Complete orthodontic positioner elastic (COPE)
** R03DE-07519-01 Stress, malocclusion and masseter muscle activity
R01DE-07787-01 Functional orthopedic magnetic appliances (monkeys)

DENTAL DISORDERS, PERIODONTAL

SEE ALSO DENTAL DISORDERS, GINGIVAL
SEE ALSO DENTISTRY, SUBGINGIVAL CURETTAGE
** R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
** P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02600-20 0030 Support for oral biology research center - Human gingival epithelial cells
** P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02600-20 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02600-20 0047 Support for oral biology research center - Genetic aspects of periodontal diseases
** P50DE-02623-19 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02623-19 0034 Center for oral health research - Bacterial components inducing bone resroption
P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory
** P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)
** P50DE-02731-20 0033 Development support for dental research institute - Epidemiology laboratory (human)
** P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
** P01DE-02847-18 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03301-16 Connective tissues of the periodontium (human, dog)
** R01DE-03488-15 Microbial composition of developing dental plaque (human, bacteria)
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-04068-12 Statistical methods in dental research
R01DE-04529-10 Replacement therapy of dental caries (rats)
** R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
M P50DE-04881-10 Clinical research in periodontal disease
** P50DE-04881-10 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
** P50DE-04881-10 0002 Clinical research in periodontal disease - Relationship of subgingival microbota to the etiology of periodontal diseases
** P50DE-04881-10 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
** P50DE-04881-10 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
M P50DE-04898-10 Periodontal disease research center
** P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
** P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
** P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
** R01DE-04971-08 Salivary mucins and dental diseases (human)
** R01DE-05054-08 Periodontal disease--Microbiological studies (human)
M P50DE-05139-09 Clinical research center for periodontal disease
** P50DE-05139-09 0001 Clinical research center for periodontal disease - Microbiology (human)
** P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
** P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05255-07 Regulation of collagenase and bone resorption (mice, chick embryo)
** R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
** R01DE-05429-07 Adherence of periodontal disease-associated bacteria
** R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
** R01DE-05497-05 Dental disease and work loss (human)
R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-05626-06 Role of complement in periodontal disease
** R01DE 05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
** R01DE-05817-06 Cellular mechanisms of collagen breakdown (human, animals)
** R01DE-06030-05 Metronidazole therapy in periodontal disease (human)
R01DE-06065-06 The role of lymphoid cells in alveolar bone resorption (rats)
** R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
** R01DE-06103-04 Evaluation of four modalities of periodontal therapy
R01DE-06250-04 Histologic evaluation of new attachments in humans
R01DE-06300-04 porous polyethylene and porous polysulfone tooth roots (monkeys)
** R01DE-06417-03 Factors influencing long-term oral self-care (human)
** R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
** R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
** R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R01DE-06622-03 Molecular mechanisms of periodontal disease
R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
R23DE-06766-03 Surgical regeneration of the periodontium (dogs)
** R01DE-06860-03 Complement monocyte interactions in periodontal disease
** R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
** R44DE-06932-03 A periodontal temperature probe (human)
** R01DE-06953-03 Hydroxyproline levels in periodontal health and disease (dogs)
** R01DE-06989-02 Neutrophil function in periodontal disease (human)
P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
R01DE-07086-02 Development of artificial oral mucosa (rabbits)
M P50DE-07117-02 Periodontal disease research center
P50DE-07117-02 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
** P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)
** R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
** R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
R01DE-07257-03 IgA protease and dental caries
** R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)
R03DE-07317-01 Ability of thiophenes to inhibit alveolar bone loss in vivo (hamsters, rats)
R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis
** R01DE-07376-02 Biochemical profile for gingival crevicular fluid
R01DE-07378-02 Human osteoclast-activating factor (mice, rats)
R01DE-07381-02 Prevalence of xerostoma--Relation to selected variables (human)
** R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)
R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)
R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)
R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)
** R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)
** R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)
R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
** R01DE-07512-01 Regeneration of the periodontium--An in vitro study
** R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues
** R03DE-07575-01 Salivary HBsAg and periodontal disease
R03DE-07587-01 Antibody responses to IgA1 and IgG protease
** R01DE-07606-01 Complement and periodontal pathogenic microorganisms
** R23DE-07616-01 Flow cytometric analysis of oral actinobacillus
** R01DE-07675-01 Periodontosis--A PMN actin dysfunction syndrome
** R01DE-07718-01 Professional education and patient periodontal health
** R03DE-07736-01 Periodontal healing adjacent to artificial surfaces (dogs, monkeys)
** R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)
** R23DE-07746-01 Non-invasive assessment of periodontal disease activity (monkeys)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)
R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens
** R03DE-07856-01 Methanogenic bacteria in subgingival dental plaque (human)
** R03DE-07871-01 Production of capnocytophaga specific monoclonal antibodies (mice)
R03DE-07877-01 Microcirculation of the hamster gingiva
** R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)
R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

DENTAL DISORDERS, PERIODONTITIS

** P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02600-20 0030 Support for oral biology research center - Human gingival epithelial cells
** P50DE-02600-20 0035 Support for oral biology research center - Antigens of potential periodontal pathogens
** P50DE-02600-20 0037 Support for oral biology research center - Periodontal microflora (human)
** P50DE-02600-20 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
** R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
** R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05054-08 Periodontal disease--Microbiological studies (human)
** P50DE-05139-09 0001 Clinical research center for periodontal disease - Microbiology (human)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
** R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R01DE-05967-04 Role of arachidonate metabolites in periodontitis
** R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
** R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
** R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
** R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
** R23DE-06832-03 Experimental diabetes and periodontitis (monkeys)
M P50DE-07118-02 Periodontal diseases research center
** P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
** P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
** P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** P50DE-07118-02 9001 Periodontal diseases research center - Core--Data processing and statistics
** R01DE-07128-03 Microbiology of ligature-induced periodontitis (monkeys)
** R01DE-07204-02 Family studies of early onset periodontitis (human)
R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
** R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
** R23DE-07473-01 Host processing of LPS in periodontitis (mice)
R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)
** R03DE-07549-01 Flow cytometric analyses of crevicular neutrophils (human)
** R03DE-07591-01 Mast cells in periodontal inflammation (mice)
** R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)
** R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)
R23DE-07746-01 Non-invasive assessment of periodontal disease activity (monkeys)
R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens
R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)
** R01DE-07986-01 Incidence and prevalence of root caries in the elderly (human)
R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

DENTAL DISORDERS, TOOTH LOSS

SEE ALSO DENTAL EXTRACTION
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
** R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
R01DE-06622-03 Molecular mechanisms of periodontal disease
** R01DE-07986-01 Incidence and prevalence of root caries in the elderly (human)

DENTAL DISORDERS, TOOTH RESORPTION

SEE ALSO CALCIFICATION ENHANCING AGENTS
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-05996-05 Alveolar bone metabolism during tooth eruption (dogs)
R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)
** R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)
** R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)

DENTAL DISORDERS CHEMOTHERAPY

SEE ALSO CALCIFICATION ENHANCING AGENTS
SEE ALSO CONSUMER PRODUCTS, MOUTHWASHES
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
P50DE-04881-10 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
P50DE-04881-10 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
M P50DE-04898-10 Periodontal disease research center
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
** P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
** R01DE-06030-05 Metronidazole therapy in periodontal disease (human)
** R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
** R01DE-06112-06 Filled sealant as a conservative restorative material (human)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
** P50DE-07010-03 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)
** R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)
** R13DE-07469-01 Symposium on oral mucosal diseases
** R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)
R01DE-07985-01 Incidence and prevalence of root caries in the elderly (human)

DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED

M P01DE-01850-23 Nutritional sources and metabolic roles of fluoride
P01DE-01850-23 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-02525-20 Ultrastructural histopathology of human dental enamel
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R37DE-03187-15 Transport in enamel and solubility of enamel (human)
R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06424-02 Development of oral tissues after early undernutrition (human)
R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
** R03DE-07439-01 In vitro studies of intestinal fluoride absorption (dogs)
** R01DE-07455-01 Prevention of root caries with fluoride (hamsters)
R01DE-07623-01 Mechanisms for enamel mineralization (mammals)
** R01DE-07755-01 Placental transfer of fluoride in the guinea pig
** R03DE-07855-01 Public knowledge and opinion--Fluorides/fluoridation (human)

DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)

R01DE-02525-20 Ultrastructural histopathology of human dental enamel
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
** P50DE-02670-20 0036 Institute of dental research - Dental caries preventive measures (rats)
P50DE-02731-20 0037 Development support for dental research institute - Surface science laboratory
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R01DE-04123-10 Formation/stability of apatites
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s mutants)
R01DE-04385-11 Mechanism of dental caries
** R01DE-04486-09 Kinetics and mechanisms of action of fluorides (human)
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
** R01DE-05067-08 Interaction of topical fluoride with human enamel (rats, hamsters)
R01DE-05253-07 Measurements of enamel permeability as related to caries (human)
** R01DE-05354-09 Prevention of dental caries
** R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06127-04 Acid-base physiology of oral streptococci
R01DE-06424-02 Development of oral tissues after early undernutrition (human)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
** R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-05 Quantitation of enamel demineralization mechanisms
** R01DE-06951-03 Study of F actions on human root surface caries
** P50DE-07010-03 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
** R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)
R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
R01DE-07455-01 Prevention of root caries with fluoride (hamsters)
** R43DE-07704-01 Long acting polymer fluoride mouthrinse
R01DE-07986-01 Incidence and prevalence of root caries in the elderly (human)

DENTAL DISORDERS DIAGNOSIS (INCL EXAMS)*

SEE ALSO ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*
** P50DE-02600-20 0035 Support for oral biology research center - Antigens of potential periodontal pathogens
** P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P50DE-02600-20 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** P50DE-02731-20 0037 Development support for dental research institute - Surface science laboratory
** P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
P01DE-02848-16 0013 Biology of connective tissue, bones, and teeth - Extra cellular matrix influences of epithelial gene expression--Cementogenesis
R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** P50DE-04881-10 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
M P50DE-04898-10 Periodontal disease research center
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
** R01DE-05253-07 Measurements of enamel permeability as related to caries (human)
** R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
R01DE-06417-03 Factors influencing long-term oral self-care (human)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
R23DE-06546-03 Assessment and treatment of mandibular pain dysfunction (human)
** R23DE-06865-03 Child desensitization for dental visits (human)
** R44DE-06932-03 A periodontal temperature probe (human)
** R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
** P50DE-07003-03 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
** P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-03 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)
R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
M P50DE-07117-02 Periodontal disease research center
** P50DE-07117-02 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
** P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** R01DE-07204-02 Family studies of early onset periodontitis (human)
R01DE-07376-02 Biochemical profile for gingival crevicular fluid
** R03DE-07422-01 Effect of film speed on radiographic diagnostic yield (human)
** R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues
R23DE-07616-01 Flow cytometric analysis of oral actinobacillus
** R01DE-07718-01 Professional education and patient periodontal health
** R23DE-07746-01 Non-invasive assessment of periodontal disease activity (monkeys)
** R43DE-07817-01 A system to monitor mandibular movements in real time
** R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens
R01DE-07986-01 Incidence and prevalence of root caries in the elderly (human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

DENTAL DYSPLASIA, CONGENITAL
SEE CONGENITAL ABNORMALITIES, DENTITION

DENTAL EDUCATION (HEALTH OCCUPATIONS)
SEE EDUCATION, HEALTH OCCUPATIONS, DENTAL

DENTAL EDUCATION (PREVENTIVE)
SEE EDUCATION, HEALTH EDUCATION, DENTAL

DENTAL EXAMINATIONS
SEE DENTAL DISORDERS DIAGNOSIS (INCL EXAMS)*

DENTAL EXTRACTION
SEE ALSO DENTAL DISORDERS, TOOTH LOSS
R01DE-05369-08 Factors affecting dental postoperative pain (human)

DENTAL FEAR AND ANXIETY
** P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-06219-04 Facial behavior related to acute dental pain (human)
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06865-03 Child desensitization for dental visits (human)
** R01DE-06950-01 Epidemiology of dental fear (human)
** R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)

DENTAL FILLINGS
SEE ALSO DENTAL CARIES
P50DE-02668-20 0191 Regional dental research center - Clinical study of restorative materials
R01DE-05761-07 Improved dental instruments and materials
R01DE-06112-06 Filled sealant as a conservative restorative material (human)

DENTAL FILLINGS, DENTAL INLAYS
R01DE-05761-07 Improved dental instruments and materials

DENTAL HEALTH (ORAL HEALTH)
SEE ALSO DENTISTRY, PREVENTIVE
SEE ALSO POPULATION SURVEYS, HEALTH SURVEYS, DENTAL
P50DE-02600-20 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
R01DE-06638-03 Complete denture service psychophysiological criteria
P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
R01DE-07204-02 Family studies of early onset periodontitis (human)
** R03DE-07428-01 Twin half sibs--A new genetic model for dental traits
R43DE-07707-01 Anti-calculus agents
** R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

DENTAL HEALTH EDUCATION
SEE EDUCATION, HEALTH EDUCATION, DENTAL

DENTAL HEALTH FACILITIES
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

DENTAL HEALTH SERVICES
R01DE-05497-05 Dental disease and work loss (human)
** R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)
R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06562-03 Fluoridation effects on dental demand (human)
** R23DE-06865-03 Child desensitization for dental visits (human)
** R01DE-06950-01 Epidemiology of dental fear (human)
** R01DE-07353-01 Increasing orthodontic treatment compliance in children (human)
** R01DE-07718-01 Professional education and patient periodontal health
** R01DE-07978-01 Increasing orthodontic treatment compliance in children (human)

DENTAL (HEALTH) SURVEYS
SEE POPULATION SURVEYS, HEALTH SURVEYS, DENTAL

DENTAL IMPLANT (PROSTHETICS)
SEE DENTAL PROSTHESIS, DENTAL IMPLANT

DENTAL IMPLANT ENDOSSEOUS
SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

DENTAL INLAYS
SEE DENTAL FILLINGS, DENTAL INLAYS

DENTAL INSTRUMENTS*
** R01DE-05761-07 Improved dental instruments and materials
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus

DENTAL INSURANCE
SEE HEALTH INSURANCE, DENTAL

DENTAL MATERIALS
SEE ALSO ORAL-FACIAL RESTORATION MATERIALS
** P50DE-02668-20 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
** P50DE-02668-20 0150 Regional dental research center - Polymerization of tooth restorative composite materials
** P50DE-02668-20 0191 Regional dental research center - Clinical study of restorative materials
R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
** R01DE-05761-07 Improved dental instruments and materials
** R01DE-05980-03 Stress analysis of mandibular partial dentures
** R01DE-06201-02 Water sorption of glassy dental polymers
** R01DE-06762-03 Development of an advanced artificial oral environment
R01DE-07087-01 Dental investment burnout and expansion as effected by microwave
** R43DE-07387-01 Complete orthodontic positioner elastic (COPE)
** R03DE-07451-01 Inducing osteogenesis in hydroxylapatite with DC current (dogs)
** R43DE-07532-01 New restorative dental resins
** R43DE-07543-01 Dental restoratives from polymers that expand when cured
** R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)
** R43DE-07832-01 New improved dental composites
** R03DE-07863-01 Characterization of a castable ceramic material
R01DE-08058-01 The adhesive of Mytilus byssus

DENTAL MATERIALS, AMALGAM DENTAL
** R01DE-02320-20 Clinical behavior of dental restorative materials (human)
P50DE-02668-20 0191 Regional dental research center - Clinical study of restorative materials
** R01DE-02936-18 Relationship of microstructure to behavior of amalgam
** R01DE-03601-13 Effect of corrosion on dental amalgams
R01DE-05761-07 Improved dental instruments and materials
R01DE-06112-06 Filled sealant as a conservative restorative material (human)
** R01DE-06519-02 Dental amalgams contribution to blood mercury levels
** R01DE-06539-04 Breakdown of amalgam margins--A microstructural study
R01DE-06720-03 Resistance of various restorative materials
R01DE-06996-02 Biological molecules in the corrosion of dental alloys
R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)
** R01DE-07374-02 Effectiveness of dental clinical evaluation techniques (human)
** R01DE-07644-01 Evaluation of mercury release from dental amalgams
** R03DE-07716-01 In vivo mercury and methyl mercury levels
** R01DE-07754-01 Dissolution of mercury from dental amalgams
** R23DE-07964-01 Wear-corrosion studies of dental materials

DENTAL MATERIALS, BONDING
SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS
P50DE-02668-20 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
** R01DE-05460-06 Bonding of dental porcelain to non-precious alloys
R01DE-05761-07 Improved dental instruments and materials
R23DE-07079-02 Effect of composition on fracture and creep of composite

DENTAL MATERIALS, CASTING
SEE ALSO DENTAL MATERIALS, INVESTMENT
R01DE-05761-07 Improved dental instruments and materials
** R01DE-07087-01 Dental investment burnout and expansion as effected by microwave
R01DE-07374-02 Effectiveness of dental clinical evaluation techniques (human)
R43DE-07835-01 Computer aided dentistry
** R03DE-07863-01 Characterization of a castable ceramic material

DENTAL MATERIALS, COMPOSITE RESINS
** R01DE-02320-20 Clinical behavior of dental restorative materials (human)
** P50DE-02668-20 0150 Regional dental research center - Polymerization of tooth restorative composite materials
** P50DE-02668-20 0191 Regional dental research center - Clinical study of restorative materials
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-05761-07 Improved dental instruments and materials
R01DE-06201-02 Water sorption of glassy dental polymers
R01DE-06720-03 Resistance of various restorative materials
R23DE-07079-02 Effect of composition on fracture and creep of composite
R01DE-07374-02 Effectiveness of dental clinical evaluation techniques (human)
** R43DE-07532-01 New restorative dental resins
** R43DE-07543-01 Dental restoratives from polymers that expand when cured
** R03DE-07578-01 Stereogrammetric analysis of wear of composite
R03DE-07589-01 Retentive strength of a bonded resin-etched interface
** R43DE-07832-01 New improved dental composites

DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
R01DE-02525-20 Ultrastructural histopathology of human dental enamel
P50DE-02731-20 0037 Development support for dental research institute - Surface science laboratory

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

** R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-05761-07 Improved dental instruments and materials
** R01DE-06112-06 Filled sealant as a conservative restorative material (human)
R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
** R23DE-06987-02 Study of surfactant use in restorative materials
** P50DE-07009-03 0008 Specialized caries research centers - Dental materials (monkeys)
R23DE-07079-02 Effect of composition on fracture and creep of composite
** R03DE-07296-01 New technique for cement biocompatibility
** R01DE-07374-02 Effectiveness of dental clinical evaluation techniques (human)
R43DE-07532-01 New restorative dental resins
R03DE-07552-01 Evaluation of calcium phosphate as a root canal filling (monkeys)
** R03DE-07589-01 Retentive strength of a bonded resin-etched interface
R43DE-07692-01 Surface behavior of mussel adhesive protein and analogs

DENTAL MATERIALS, DENTAL METALS

SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
R01DE-02936-18 Relationship of microstructure to behavior of amalgam
** R01DE-05460-06 Bonding of dental porcelain to non-precious alloys
R01DE-05761-07 Improved dental instruments and materials
** R01DE-06374-05 Semi- and nonprecious metal-porcelain systems
R01DE-06539-04 Breakdown of amalgam margins--A microstructural study
** R01DE-06672-04 Optimization of metal-ceramic restoration design
R01DE-06720-03 Resistance of various restorative materials
** R01DE-06996-02 Biological molecules in the corrosion of dental alloys
R01DE-07087-01 Dental investment burnout and expansion as effected by microwave
** R01DE-07216-01 Clinical and laboratory study of Cu-base dental alloys (animals)
R03DE-07589-01 Retentive strength of a bonded resin-etched interface
R01DE-07806-01 Thermally induced changes in dental porcelain expansion

DENTAL MATERIALS, IMPRESSION MATERIALS

R01DE-05761-07 Improved dental instruments and materials

DENTAL MATERIALS, INVESTMENT

R01DE-05761-07 Improved dental instruments and materials
** R01DE-07087-01 Dental investment burnout and expansion as effected by microwave

DENTAL MATERIALS, PORCELAINS

** R01DE-05460-06 Bonding of dental porcelain to non-precious alloys
R01DE-05761-07 Improved dental instruments and materials
** R01DE-06374-05 Semi- and nonprecious metal-porcelain systems
** R01DE-06672-04 Optimization of metal-ceramic restoration design
** R03DE-07611-01 Fractographic analysis of dental porcelain
** R01DE-07806-01 Thermally induced changes in dental porcelain expansion
R03DE-07863-01 Characterization of a castable ceramic material

DENTAL MATERIALS, ROOT CANAL FILLING MATERIALS

R01DE-05761-07 Improved dental instruments and materials
** R03DE-07552-01 Evaluation of calcium phosphate as a root canal filling (monkeys)
** R03DE-07736-01 Periodontal healing adjacent to artificial surfaces (dogs, monkeys)

DENTAL MATERIALS, WEAR

SEE ALSO DENTAL STRUCTURE, TOOTH WEAR
** P50DE-02668-20 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
P50DE-02668-20 0150 Regional dental research center - Polymerization of tooth restorative composite materials
** R01DE-06720-03 Resistance of various restorative materials
R01DE-06996-02 Biological molecules in the corrosion of dental alloys
** P50DE-07009-03 0008 Specialized caries research centers - Dental materials (monkeys)
R23DE-07079-02 Effect of composition on fracture and creep of composite
** R01DE-07374-02 Effectiveness of dental clinical evaluation techniques (human)
** R03DE-07578-01 Stereogrammetric analysis of wear of composite
R01DE-07754-01 Dissolution of mercury from dental amalgams
** R01DE-07806-01 Thermally induced changes in dental porcelain expansion
** R23DE-07964-01 Wear-corrosion studies of dental materials

DENTAL METALS

SEE DENTAL MATERIALS, DENTAL METALS

DENTAL MOTTLING

SEE DENTAL DISCOLORATION, DENTAL MOTTLING

DENTAL OCCLUSION

SEE ALSO DENTAL DISORDERS, MALOCCLUSION
SEE ALSO DENTISTRY, ORTHODONTICS
P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
P50DE-04881-10 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
R01DE-06424-0[illegible] of oral tissues after early undernutrition (hu[illegible]
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
R03DE-07578-01 Stereogrammetric analysis of wear of composite

DENTAL OCCLUSION, BITE AND BITING STRENGTH (FORCE)

** R01DE-03953-12 Force systems from orthodontic appliances
** R01DE-04164-09 Functional properties of rabbit jaw muscles (rabbit)
R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
R01DE-05980-03 Stress analysis of mandibular partial dentures
R01DE-06762-03 Development of an advanced artificial oral environment
** R23DE-07079-02 Effect of composition on fracture and creep of composite
R23DE-07182-02 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
R23DE-07964-01 Wear-corrosion studies of dental materials

DENTAL PAIN

P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
** R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
M P50DE-05130-07 Dental/orofacial pain--Mechanisms behavior and modulation
** P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlatae
** P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
** R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)
** R01DE-05369-08 Factors affecting dental postoperative pain (human)
** R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R01DE-05497-05 Dental disease and work loss (human)
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
** R01DE-06219-04 Facial behavior related to acute dental pain (human)
** R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
M P50DE-07509-01 Role of CNS adaptive mechanisms in orofacial sensation
** P50DE-07509-C1 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
** P50DE-07509-01 0002 Role of CNS adaptive mechanisms in orofacial sensation - Dynamic influences of somatosensory cortical neurons (monkeys)
P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
** P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)
P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)
** R03DE-07598-01 The neurovascular relationship of the dental pulp (dogs)
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
** R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)

DENTAL PERSONNEL

SEE ALSO EDUCATION, HEALTH OCCUPATIONS, DENTAL
R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus

DENTAL PHARMACOLOGY

** P50DE-04881-10 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
** P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
R13DE-07469-01 Symposium on oral mucosal diseases
** R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)
R01DE-07755-01 Placental transfer of fluoride in the guinea pig
R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)

DENTAL PLAQUE

SEE DENTAL DEPOSITS, PLAQUE

DENTAL PLAQUE REMOVAL

SEE DENTAL DEPOSITS REMOVAL

DENTAL PROSTHESIS

SEE ALSO DENTAL FILLINGS
SEE ALSO DENTAL MATERIALS, PORCELAINS
SEE ALSO DENTAL MATERIALS, WEAR
SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, PROSTHODONTICS
P50DE-02668-20 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
** R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
R01DE-06112-06 Filled sealant as a conservative restorative material (human)
R01DE-06201-02 Water sorption of glassy dental polymers
** R01DE-06300-04 porous polyethylene and porous polysulfone tooth roots (monkeys)
** R01DE-06519-02 Dental amalgams contribution to blood mercury levels
R01DE-06672-04 Optimization of metal-ceramic restoration design
** R01DE-06859-02 Biomechanics of the mandible (human)
R01DE-07086-02 Development of artificial oral mucosa (rabbits)
** R03DE-07589-01 Retentive strength of a bonded resin-etched interface
** R03DE-07611-01 Fractographic analysis of dental porcelain
** R03DE-07863-01 Characterization of a castable ceramic material

DENTAL PROSTHESIS, DENTAL IMPLANT

R01DE-05761-07 Improved dental instruments and materials
** R01DE-06730-03 Dental implant surfaces impeding epithelial migration (rats)
R01DE-06859-02 Biomechanics of the mandible (human)
R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)

DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

** R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
R01DE-05761-07 Improved dental instruments and materials
** R01DE-06300-04 porous polyethylene and porous polysulfone tooth roots (monkeys)

DENTAL PROSTHESIS, DENTURES

** R01DE-02320-20 Clinical behavior of dental restorative materials (human)
** R01DE-05497-05 Dental disease and work loss (human)
R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
** R01DE-05980-03 Stress analysis of mandibular partial dentures
** R01DE-06638-03 Complete denture service psychophysiological criteria
** P50DE-07010-03 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
** R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)

DENTAL PULP CALCIFICATION

SEE DENTAL PULP DISORDERS, DENTAL PULP CALCIFICATION

DENTAL PULP DEVITALIZATION (MUMMIFICATION)

SEE DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY

DENTAL PULP DISORDERS

SEE ALSO DENTAL ABSCESS
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R03DE-07598-01 The neurovascular relationship of the dental pulp (dogs)

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**Oriented significantly to above subject.

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See Appendix for investigator's name and Grant Number.

DENTAL PULP DISORDERS, DENTAL PULP CALCIFICATION
R01DE-05262-07 Mineralization in oral biology (mice, rats)

DENTAL PULP OBTURATION
SEE DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY

DENTAL RADIOGRAPHY
SEE DENTAL VISUALIZATION, DENTAL RADIOGRAPHY*

DENTAL RESEARCH*
** R01DE-04068-12 Statistical methods in dental research
P01DE-06946-03 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptons in pre- and post-orthognathic surgery patients
M P50DE-07010-03 Specialized caries research center
** P50DE-07010-03 0008 Specialized caries research center - Enrichment program
** P50DE-07010-03 0009 Specialized caries research center - Microbiological aspects of root surface caries
** P50DE-07010-03 0010 Specialized caries research center - TSRLM project
** P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit

DENTAL RESEARCH INSTITUTE REVIEW COMMITTEE
M P50DE-02600-20 Support for oral biology research center
M P50DE-02623-19 Center for oral health research
M P50DE-02668-20 Regional dental research center
M P50DE-02670-20 Institute of dental research
M P50DE-02731-20 Development support for dental research institute
M P50DE-04881-10 Clinical research in periodontal disease
M P50DE-04898-10 Periodontal disease research center
M P50DE-05139-09 Clinical research center for periodontal disease
** R03DE-07014-02 Human PDL cell attachment to root surfaces
M P50DE-07117-02 Periodontal disease research center
** R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)
** R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)
** R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
** R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor
** R03DE-07296-01 New technique for cement biocompatibility
** R03DE-07298-01 Low molecular weight salivary agglutinins
** R03DE-07317-01 Ability of thiophenes to inhibit alveolar bone loss in vivo (hamsters, rats)
** R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)
** R03DE-07422-01 Effect of film speed on radiographic diagnostic yield (human)
** R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)
** R03DE-07428-01 Twin half-sibs--A new genetic model for dental traits
** R03DE-07439-01 In vitro studies of intestinal fluoride absorption (dogs)
** R03DE-07451-01 Inducing osteogenesis in hydroxylapatite with DC current (dogs)
** R03DE-07519-01 Stress, malocclusion and masseter muscle activity
** R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)
** R03DE-07549-01 Flow cytometric analyses of crevicular neutrophils (human)
** R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues
** R03DE-07553-01 Family data for dental multifactorial genetic research
** R03DE-07560-01 Evaluation of natural sweeteners with mongolian gerbils
** R03DE-07565-01 Ecological competition among oral streps
** R03DE-07568-01 Cyclosporine-A induced gingival overgrowth in beagles (dogs)
** R03DE-07573-01 Sweat pore counts in ectodermal dysplasia and hypodontia
** R03DE-07575-01 Salivary HBsAg and periodontal disease
** R03DE-07578-01 Stereogrammetric analysis of wear of composite
** R03DE-07582-01 Effect of cyclosporine on human gingival fibroblasts
** R03DE-07587-01 Antibody responses to IgA1 and IgG protease
** R03DE-07591-01 Mast cells in periodontal inflammation (mice)
** R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)
** R03DE-07597-01 Craniofacial growth in giant transgenic mice
** R03DE-07611-01 Fractographic analysis of dental porcelain
** R03DE-07714-01 Biochemical responses in plaque fluid to reference foods
** R03DE-07715-01 Parvovirus associated craniofacial disturbances (hamsters, rats)
** R03DE-07716-01 In vivo mercury and methyl mercury levels
** R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus
** R03DE-07724-01 Microbial tests in the management of dental caries (human)
** R03DE-07729-01 Biopsy technique for studying experimental enamel lesion (cattle)
** R03DE-07733-01 Generation of antiserum to PDGF synthetic peptides (rabbits)
** R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)
** R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)
** R03DE-07744-01 Evaluation of sensory loss after mandibular osteotomy (human)
** R03DE-07747-01 Viral infection & salivary gland graft-vs host disease (mice, rats)
** R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)
** R03DE-07838-01 Phototransduction as a velopharyngeal biofeedback technique (human)
** R03DE-07841-01 The prevalence of symptoms of T M disorders (human)
** R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)
** R03DE-07851-01 Amylase regulation in human salivary glands
** R03DE-07852-01 TCDD alteration in gene expression and cleft palate (mice)
** R03DE-07855-01 Public knowledge and opinion--Fluorides/fluoridation (human)
** R03DE-07856-01 Methanogenic bacteria in subgingival dental plaque (human)
** R03DE-07863-01 Characterization of a castable ceramic material
** R03DE-07870-01 Tetracycline binding to dentin (human)
** R03DE-07871-01 Production of caprecytophaga specific monoclonal antibodies (mice)
** R03DE-07877-01 Microcirculation of the hamster gingiva
** R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)
** R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)
** R03DE-07898-01 Spatially localized NMR of the oral cavity (human)
** R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)

DENTAL RESINS
SEE DENTAL MATERIALS, COMPOSITE RESINS

DENTAL SEALANTS
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

DENTAL STRESS ANALYSIS
SEE ALSO DENTAL MATERIALS, WEAR
R01DE-06859-02 Biomechanics of the mandible (human)
R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)

DENTAL STRUCTURE
SEE ALSO ORAL-PHARYNGEAL (REGION)
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
R01DE-06424-02 Development of oral tissues after early undernutrition (human)
** R03DE-07428-01 Twin half-sibs--A new genetic model for dental traits

DENTAL STRUCTURE, AMELOBLASTS
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** R01DE-04230-11 Comparative ultrastructure of mammalian amelogenesis (cats)
R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
R01DE-05586-06 Cell surface studies of the enamel organ (mice)
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)
** R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R01DE-06988-02 Determination of expression of amelogenin gene products (mice)
R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)
** R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)

DENTAL STRUCTURE, CEMENTUM
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P50DE-02670-20 0036 Institute of dental research - Dental caries preventive measures (rats)
** P01DE-02847-18 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
** P01DE-02848-16 0013 Biology of connective tissue, bones, and teeth - Extra cellular matrix influences of epithelial gene expression--Cementogenesis
** R01DE-06250-04 Histologic evaluation of new attachments in humans
R23DE-06766-03 Surgical regeneration of the periodontium (dogs)
P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07009-03 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
P50DE-07010-03 0010 Specialized caries research center - TSRLM project
R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
R23DE-07075-02 Tissue interactions in root development (mice)
** R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)
R01DE-07512-01 Regeneration of the periodontium--An in vitro study

DENTAL STRUCTURE, DENTAL ALVEOLUS
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, ALVEOLAR NERVE INFERIOR (5)
P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-05255-07 Regulation of collagenase and bone resorption (mice, chick embryo)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06065-06 The role of lymphoid cells in alveolar bone resorption (rats)
R23DE-06874-03 Effect of intermaxillary fixation on skeletal relapse (monkeys)
P50DE-07010-03 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
** R03DE-07317-01 Ability of thiophenes to inhibit alveolar bone loss in vivo (hamsters, rats)
R01DE-07376-02 Biochemical profile for gingival crevicular fluid
R01DE-07444-01 Tooth eruption and bone resorption (mice, rats)
** R03DE-07451-01 Inducing osteogenesis in hydroxylapatite with DC current (dogs)
R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)
R01DE-07512-01 Regeneration of the periodontium--An in vitro study
R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)
R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)

DENTAL STRUCTURE, DENTIN
** R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
P50DE-02668-20 0125 Regional dental research center - Significance of collagen crosslinks in tissue
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
** P01DE-02848-16 0012 Biology of connective tissue, bones, and teeth - Molecular genetics of dentine (mice)
R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
R01DE-05092-08 Proteins involved in dentinogenesis
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-05262-07 Mineralization in oral biology (mice, rats)
R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R23DE-06896-03 Nonenzymatic reactions in human dentin proteins
** R01DE-06954-02 Structural studies of matrix proteins in teeth and bone
R01DE-06955-03 Epidermal growth factor and tooth development (mice)
P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07009-03 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
P50DE-07010-03 0010 Specialized caries research center - TSRLM project
R23DE-07075-02 Tissue interactions in root development (mice)
R01DE-07512-01 Regeneration of the periodontium--An in vitro study
R03DE-07598-01 The neurovascular relationship of the dental pulp (dogs)
** R03DE-07870-01 Tetracycline binding to dentin (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

DENTAL STRUCTURE, ENAMEL

R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** R01DE-02525-20 Ultrastructural histopathology of human dental enamel
** P50DE-02623-19 0036 Center for oral health research - Enamel proteins and their genes
** P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** P50DE-02670-20 0036 Institute of dental research - Dental caries preventive measures (rats)
P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
** P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
** R37DE-03187-15 Transport in enamel and solubility of enamel (human)
R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-04123-10 Formation/stability of apatites
** R01DE-04230-11 Comparative ultrastructure of mammalian amelogenesis (cats)
R01DE-04385-11 Mechanism of dental caries
R01DE-04486-09 Kinetics and mechanisms of action of fluorides (human)
R01DE-04529-10 Replacement therapy of dental caries (rats)
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
** R01DE-05067-08 Interaction of topical fluoride with human enamel (rats, hamsters)
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
** R01DE-05253-07 Measurements of enamel permeability as related to caries (human)
** R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
R01DE-05354-09 Prevention of dental caries
** R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
R01DE-05690-05 Localization of the procollagens in dental tissues (rats, mice, rabbits)
** R01DE-05780-04 Development and mineralization of enamel in teeth
R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06424-02 Development of oral tissues after early undernutrition (human)
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06569-05 Quantitation of enamel demineralization mechanisms
** R01DE-06761-03 Prevention of surface zone limited caries of enamel
** R01DE-06954-02 Structural studies of matrix proteins in teeth and bone
** R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
P50DE-07003-03 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
** R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)
** R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
** R01DE-07623-01 Mechanisms for enamel mineralization (mammals)
** R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)
R03DE-07714-01 Biochemical responses in plaque fluid to reference foods
** R03DE-07729-01 Biopsy technique for studying experimental enamel lesion (cattle)
R01DE-07755-01 Placental transfer of fluoride in the guinea pig
** R03DE-07894-01 Morphological and biochemical studies of opossum enamel

DENTAL STRUCTURE, ENAMEL ORGAN

SEE ALSO DENTAL STRUCTURE, AMELOBLASTS
P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
** R01DE-05586-06 Cell surface studies of the enamel organ (mice)
** R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)
** R01DE-06952-03 Enamel secretory matrix protease (cattle, rats)
R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)
R01DE-07623-01 Mechanisms for enamel mineralization (mammals)

DENTAL STRUCTURE, GINGIVA

R01DE-01554-25 Host factors in caries resistance (human, bacteria)
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02600-20 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
** R01DE-03301-16 Connective tissues of the periodontium (human, dog)
** R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04660-11 Keratohyalin in keratinization--Oral mucosa and skin (human)
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R01DE-05817-06 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
** R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
R01DE-07512-01 Regeneration of the periodontium--An in vitro study
R03DE-07568-01 Cyclosporine-A induced gingival overgrowth in beagles (dogs)
** R03DE-07582-01 Effect of cyclosporine on human gingival fibroblasts
R43DE-07707-01 Anti-calculus agents
** R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)
R03DE-07877-01 Microcirculation of the hamster gingiva

DENTAL STRUCTURE, GINGIVA, GINGIVAL SULCUS

** P50DE-02600-20 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05429-07 Adherence of periodontal disease-associated bacteria
R01DE-05817-06 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
R01DE-06953-03 Hydroxyproline levels in periodontal health and disease (dogs)
R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
** R01DE-07376-02 Biochemical profile for gingival crevicular fluid
** R03DE-07549-01 Flow cytometric analyses of crevicular neutrophils (human)
R03DE-07568-01 Cyclosporine-A induced gingival overgrowth in beagles (dogs)
** R03DE-07575-01 Salivary HBsAg and periodontal disease
R01DE-07754-01 Dissolution of mercury from dental amalgams
R03DE-07856-01 Methanogenic bacteria in subgingival dental plaque (human)

DENTAL STRUCTURE, ODONTOBLASTS

P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-05092-08 Proteins involved in dentinogenesis
** R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)
R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)

DENTAL STRUCTURE, PERIODONTIUM

** P50DE-02731-20 0033 Development support for dental research institute - Epidemiology laboratory (human)
R01DE-03301-16 Connective tissues of the periodontium (human, dog)
R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)
R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
** R01DE-06250-04 Histologic evaluation of new attachments in humans
** R23DE-06766-03 Surgical regeneration of the periodontium (dogs)
R23DE-06874-03 Effect of intermaxillary fixation on skeletal relapse (monkeys)
R44DE-06932-03 A periodontal temperature probe (human)
** R03DE-07014-02 Human PDL cell attachment to root surfaces
** R23DE-07075-02 Tissue interactions in root development (mice)
** R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
** R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)
** R01DE-07512-01 Regeneration of the periodontium -An in vitro study
R03DE-07856-01 Methanogenic bacteria in subgingival dental plaque (human)

DENTAL STRUCTURE, PULP

SEE ALSO DENTISTRY, ENDODONTICS
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)
R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
P50DE-07009-03 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
** R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)
** R03DE-07598-01 The neurovascular relationship of the dental pulp (dogs)

DENTAL STRUCTURE, TOOTH

SEE ALSO CONGENITAL ABNORMALITIES, DENTITION
P50DE-02623-19 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
** P50DE-02668-20 0123 Regional dental research center - In situ replication techniques and the wear of restorative materials
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
** R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
** R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
** R01DE-05262-07 Mineralization in oral biology (mice, rats)
R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
** P50DE-07010-03 0002 Specialized caries research center - Influence of plaque pH on mineralization
R01DE-07220-02 Bioactive factors in skeletal repair (rabbits, rats)
** R01DE-07695-02 Organization of cortical tooth representations (monkeys)
R43DE-07835-01 Computer aided dentistry

DENTAL STRUCTURE, TOOTH GERM

R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

DENTAL STRUCTURE, TOOTH MOBILITY

R01DE-03953-12 Force systems from orthodontic appliances
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06103-04 Evaluation of four modalities of periodontal therapy
** R13DE-07154-01 Symposium on the biology of tooth movement

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

DENTAL STRUCTURE, TOOTH ROOT
SEE ALSO DENTISTRY, ENDODONTICS
** P01DE-02847-18 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-05996-05 Alveolar bone metabolism during tooth eruption (dogs)
R01DE-06250-04 Histologic evaluation of new attachments in humans
** R01DE-06300-04 porous polyethylene and porous polysulfone tooth roots (monkeys)
** R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
** R01DE-06951-03 Study of F actions on human root surface caries
** P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
M P50DE-07009-03 Specialized caries research centers
** P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-03 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
** P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** P50DE-07009-03 0004 Specialized caries research centers - Immunological aspects of root caries (human)
** P50DE-07009-03 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
** P50DE-07009-03 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
** P50DE-07009-03 0008 Specialized caries research centers - Dental materials (monkeys)
** P50DE-07010-03 0004 Specialized caries research center - Carbohydrates in root caries
** P50DE-07010-03 0005 Specialized caries research center - Immunological investigation of root surface caries
** P50DE-07010-03 0009 Specialized caries research center - Microbiological aspects of root surface caries
** P50DE-07010-03 0010 Specialized caries research center - TSRLM project
P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
** R03DE-07014-02 Human PDL cell attachment to root surfaces
** R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
** R23DE-07075-02 Tissue interactions in root development (mice)
** R01DE-07375-02 Dietary factors and root caries in animals (hamsters)
** R01DE-07455-01 Prevention of root caries with fluoride (hamsters)
** R01DE-07986-01 Incidence and prevalence of root caries in the elderly (human)

DENTAL STRUCTURE, TOOTH WEAR
SEE ALSO DENTISTRY, BRUXISM
SEE ALSO DENTISTRY, MASTICATION
R01DE-06300-04 porous polyethylene and porous polysulfone tooth roots (monkeys)
R23DE-07079-02 Effect of composition on fracture and creep of composite
** R23DE-07182-02 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
** R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)
R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)

DENTAL STUDY SECTION
SEE ORAL BIOLOGY AND MEDICINE STUDY SECTION

DENTAL VISUALIZATION, DENTAL RADIOGRAPHY*
R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
** P50DE-07117-02 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
** R03DE-07422-01 Effect of film speed on radiographic diagnostic yield (human)
** R01DE-07464-01 Low dose image receptors for intra oral dental radiography
** P50DE-07618-01 0005 Orofacial pain research center - Efficacy of TMJ radiographs (human)
** R43DE-07700-01 Compton scatter tomography for maxillodental imaging

DENTIFRICES
R01DE-05067-08 Interaction of topical fluoride with human enamel (rats, hamsters)

DENTIN
SEE DENTAL STRUCTURE, DENTIN

DENTIN SENSITIVITY
SEE DENTAL PAIN

DENTINOGENESIS
SEE DENTAL DEVELOPMENT, DENTINOGENESIS

DENTISTRY
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO ORAL-FACIAL RESTORATION
SEE ALSO ORAL-PHARYNGEAL, JAW
SEE ALSO ORAL SURGERY
SEE ALSO SENSORY DEPRESSION, ANESTHESIA DENTAL
** R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
R03DE-07451-01 Inducing osteogenesis in hydroxylapatite with DC current (dogs)
** R43DE-07707-01 Anti-calculus agents
** R43DE-07835-01 Computer aided dentistry
R03DE-07898-01 Spatially localized NMR of the oral cavity (human)

DENTISTRY, BRUXISM
P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
** R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
P01DE-06946-03 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)

DENTISTRY, ENDODONTICS
SEE ALSO DENTAL STRUCTURE, PULP
SEE ALSO DENTAL STRUCTURE, TOOTH ROOT
R01DE-06300-04 porous polyethylene and porous polysulfone tooth roots (monkeys)
R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)
R03DE-07296-01 New technique for cement biocompatibility

DENTISTRY, ENDODONTICS, PULPOTOMY
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
** R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)

DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY
R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)

DENTISTRY, MASTICATION
SEE ALSO ORAL-PHARYNGEAL, JAW MOVEMENT
** P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
P01DE-03610-20 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
** R01DE-04164-09 Functional properties of rabbit jaw muscles (rabbit)
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
R01DE-04940-08 Muscular disorders in craniofacial malformations (human)
** R01DE-05232-08 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05738-06 Mastication, food transport, and swallowing in primates (cats, monkeys)
** R01DE-05905-05 Neural organization of complex muscles (swine)
** R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
** R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R23DE-06618-03 Properties of motor units in human mandibular muscles
** R01DE-06638-03 Complete denture service psychophysiological criteria
** R01DE-06717-02 Jaw movements and masseter activity during chewing (human)
R23DE-06874-03 Effect of intermaxillary fixation on skeletal relapse (monkeys)
P01DE-06945-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
P01DE-06946-03 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter
R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)
** R23DE-07325-01 Orofacial coordination during feeding
R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
** R23DE-07380-01 Effects of CNS lesions on mastication and skull form (rats)
R23DE-07460-01 Longitudinal epidemiological study of TMJ disorders
** R03DE-07519-01 Stress, malocclusion and masseter muscle activity
R03DE-07714-01 Biochemical responses in plaque fluid to reference foods
R03DE-07716-01 In vivo mercury and methyl mercury levels
** R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)
R43DE-07817-01 A system to monitor mandibular movements in real time
R03DE-07841-01 The prevalence of symptoms of T M disorders (human)
R23DE-07964-01 Wear-corrosion studies of dental materials
R23DE-08110-01 Properties of motor units in human mandibular muscles

DENTISTRY, ORTHODONTICS
SEE ALSO DENTAL DISORDERS, MALOCCLUSION
SEE ALSO DENTAL OCCLUSION
** R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
R01DE-03953-12 Force systems from orthodontic appliances
R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
** R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
** P01DE-06946-03 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
** P01DE-06946-03 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
** R13DE-07154-01 Symposium on the biology of tooth movement
** R01DE-07353-01 Increasing orthodontic treatment compliance in children (human)
R23DE-07380-01 Effects of CNS lesions on mastication and skull form (rats)
** R43DE-07387-01 Complete orthodontic positioner elastic (COPE)
R01DE-07674-01 Analysis of primary palate formation (chick embryos)
R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
** R01DE-07787-01 Functional orthopedic magnetic appliances (monkeys)
R43DE-07835-01 Computer aided dentistry
** R01DE-07978-01 Increasing orthodontic treatment compliance in children (human)

DENTISTRY, PREVENTIVE
SEE ALSO DENTAL CARIES INHIBITORS
SEE ALSO DENTAL DEPOSITS REMOVAL
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)
SEE ALSO VACCINES, BACTERIAL, ANTI-CARIES VACCINE
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P50DE-02670-20 0036 Institute of dental research - Dental caries preventive measures (rats)
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
R01DE-04385-11 Mechanism of dental caries
R01DE-04486-09 Kinetics and mechanisms of action of fluorides (human)
** P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
** R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
** R01DE-05354-09 Prevention of dental caries
R01DE-05429-07 Adherence of periodontal disease-associated bacteria
** R01DE-05476-06 Novel peptide derived sweeteners
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
** R01DE-05497-05 Dental disease and work loss (human)
R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
** R01DE-06417-03 Factors influencing long-term oral self-care (human)
** R01DE-06761-03 Prevention of surface zone limited caries of enamel
R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
** R01DE-06951-03 Study of F actions on human root surface caries
P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-03 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
** R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
P50DE-07117-02 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
M P50DE-07118-02 Periodontal diseases research center
P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number.

P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor
R23DE-07326-02 A quantitative study of lesion formation in animal models (also human)
R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
** R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)
** R01DE-07455-01 Prevention of root caries with fluoride (hamsters)
R03DE-07565-01 Ecological competition among oral streps
** R43DE-07704-01 Long acting polymer/fluoride mouthrinse
** R01DE-07718-01 Professional education and patient periodontal health
** R03DE-07724-01 Microbial tests in the management of dental caries (human)
R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)
R01DE-07755-01 Placental transfer of fluoride in the guinea pig
** R03DE-07855-01 Public knowledge and opinion--Fluorides/fluoridation (human)
R03DE-07870-01 Tetracycline binding to dentin (human)

DENTISTRY, SUBGINGIVAL CURETTAGE
R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)

DENTITION DISORDERS, CONGENITAL
SEE CONGENITAL ABNORMALITIES, DENTITION

DENTURES
SEE DENTAL PROSTHESIS, DENTURES

DEOXYCHOLATES
SEE CHOLANATE SERIES, DEOXYCHOLATES

DEOXYGLUCOSE
SEE HEXOSES, GLUCOSE, DEOXYGLUCOSE

DEOXYRIBONUCLEIC ACID(S)
SEE NUCLEIC ACIDS, DNA

DEOXYRIBONUCLEIC ACID(S) REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, DNA

DEOXYRIBONUCLEOSIDE TRIPHOSPHATES
SEE NUCLEOTIDES, DEOXYRIBONUCLEOSIDE TRIPHOSPHATES

DEOXYURIDINE
SEE PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, DEOXYURIDINE

DEPAKENE
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

DEPAKINE
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

DEPOLYMERIZATION
SEE MOLECULAR CONDENSATIONS, POLYMERIZATION-DEPOLYMERIZATION

DEPRESSION
SEE PSYCHOLOGY, EMOTIONS, DEPRESSION

DEPRIVATION
SEE SENSORY DEPRIVATION

DERMATOGLYPHICS
SEE SKIN, DERMATOGLYPHICS

DESENSITIZATION PSYCHOTHERAPY
SEE PSYCHOTHERAPY, DESENSITIZATION

DESIGN AND EVALUATION OF COMPUTERS (INCL. HARDWARE)
SEE COMPUTER, DESIGN AND EVALUATION OF COMPUTERS (INCL. HARDWARE)

DESIGN OF BIOMATERIALS
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

DESIGN OF DIAGNOSTIC TESTS
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*

DESIGN OF MODELS
SEE MODELS, DESIGN AND DEVELOPMENT OF MODELS

DESMOSOMES
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

DETERGENTS
SEE PHYSICAL PROPERTIES, SURFACTANTS, DETERGENTS

DEVELOPMENT (BIOLOGICAL)
SEE CELL DIFFERENTIATION
SEE CHILD DEVELOPMENT (NON-PSYCHOLOGICAL)
SEE CHILD MENTAL DEVELOPMENT
SEE GROWTH AND DEVELOPMENT

DEVELOPMENT (NON-BIOLOGICAL)
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)
SEE COMPUTER, DESIGN AND EVALUATION OF COMPUTERS (INCL. HARDWARE)
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

DEVELOPMENT OF BIOMATERIALS
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

DEVELOPMENT OF DIAGNOSTIC TESTS
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*

DEVELOPMENT OF DRUGS
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

DEVELOPMENT OF MODELS
SEE MODELS, DESIGN AND DEVELOPMENT OF MODELS

DEVELOPMENTAL DISORDERS (INTRAUTERINE FAILURE TO THRIVE)
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

DEVELOPMENTAL GENETICS
SEE GENETICS, DEVELOPMENTAL GENETICS

DEVELOPMENTAL NEUROLOGY
SEE NEUROLOGY, DEVELOPMENTAL

DEVELOPMENTAL NUTRITION (GENERAL)
SEE NUTRITION, DEVELOPMENTAL NUTRITION

DEVELOPMENTAL PHARMACOLOGY (DRUG ADVERSE EFFECTS FETAL)
SEE PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS

DEVELOPMENTAL PSYCHOLOGY (CHILD MENTAL DEVELOPMENT)
SEE CHILD MENTAL DEVELOPMENT

DEXAMETHASONE
SEE ADRENAL CORTEX HORMONES ANALOGS, DEXAMETHASONE

DEXTRAN
SEE HEXOSANS, GLUCANS, DEXTRAN

DIABETES (INCLUDING NON-INBORN CASES)
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES

DIABETES, DRUG INDUCED
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED
SEE DRUGS ADVERSE EFFECTS

DIABETES, JUVENILE
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

DIABETES ASSOCIATED (HISTOCOMPATIBILITY) ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES

DIABETES GENES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES

DIABETES MELLITUS
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES

DIABETES THERAPY
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES THERAPY

DIABETIC NEPHROPATHIES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETIC NEPHROPATHIES

DIABETIC RETINOPATHY
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETIC OCULOPATHY, DIABETIC RETINOPATHY

DIAGNOSTIC ACCURACY
SEE DIAGNOSTIC QUALITY-STANDARDS

DIAGNOSTIC ERRORS
SEE DIAGNOSTIC QUALITY-STANDARDS

DIAGNOSTIC QUALITY-STANDARDS
** R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
** R03DE-07422-01 Effect of film speed on radiographic diagnostic yield (human)
** R03DE-07898-01 Spatially localized NMR of the oral cavity (human)

DIAGNOSTIC RADIOLOGY STUDY SECTION
** R01DE-07464-01 Low dose image receptors for intra oral dental radiography

DIAGNOSTIC SERVICES, MASS SCREENING
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus

DIAGNOSIS, DIAGNOSTIC TESTS*
SEE ALSO CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
SEE ALSO COMMUNICABLE DISEASES DIAGNOSIS*
SEE ALSO DENTAL DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO GENETIC DISORDERS DIAGNOSIS*
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*
SEE ALSO IMMUNOPATHOLOGY, DIAGNOSIS*
SEE ALSO INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS DIAGNOSIS
SEE ALSO MUSCULAR DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO NEOPLASMS DIAGNOSIS
SEE ALSO NERVOUS DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO NEUROMOTOR DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO NUCLEIC ACIDS, DNA PROBE
SEE ALSO ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO RADIODIAGNOSIS AND RADIODIAGNOSTIC METHODS
SEE ALSO RADIOGRAPHY*
SEE ALSO SKELETAL DISORDERS DIAGNOSIS (INCL EXAMS)*
** R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens

DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*
** P01DE-06946-03 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
** R43DE-07539-01 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)
** P50DE-07618-01 0005 Orofacial pain research center - Efficacy of TMJ radiographs (human)
** R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens
** R03DE-07898-01 Spatially localized NMR of the oral cavity (human)

DIAGNOSTIC TESTS, BIOPSY*
** R03DE-07729-01 Biopsy technique for studying experimental enamel lesion (cattle)

DIAGNOSTIC TESTS, EARLY DIAGNOSIS*
P50DE-02731-20 0037 Development support for dental research institute - Surface science laboratory
** R01DE-07204-02 Family studies of early onset periodontitis (human)
R01DE-07207-01 Molecular mechanism of oral carcinogenesis (hamsters)

DIAGNOSTIC TESTS, NON-INVASIVE*
R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
** R23DE-07746-01 Non-invasive assessment of periodontal disease activity (monkeys)

DIAMINO ACIDS, ARGININE
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
R03DE-07565-01 Ecological competition among oral streps

DIAMINO ACIDS, LYSINE
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin

DIASTASES
SEE CARBOHYDRASES, AMYLASE

DIAZEPAM
SEE AZEPINES, BENZODIAZEPINES, DIAZEPAM

DIBENZANTHRENES
SEE CYCLICS, CARBOPOLYCYCLICS, BENZANTHRACENES

DICARBOXYLIC ACIDS, OXALATES
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)

DICARBOXYLIC AMINO ACIDS, ASPARTIC ACID
** R01DE-05476-06 Novel peptide derived sweeteners
R23DE-06896-03 Nonenzymatic reactions in human dentin proteins

DICARBOXYLIC AMINO ACIDS, GLUTAMATES
R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

DICARBOXYLIC AMINO ACIDS, GLUTAMATES, GAMMA-CARBOXYGLUTAMIC ACID
P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

2,3-DIDEHYDRO-L-THREO-HEXANO-1,4-LACTONE
SEE VITAMINS, VITAMIN C, ASCORBIC ACID

DIDELPHIS
SEE MAMMALS, MARSUPIALS, OPOSSUM*

DIELECTRIC CHARGES IN TRANSPORT ENERGETICS
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

DIET
SEE NUTRITION, DIET

DIET AND CANCER
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

DIET PATHOGENIC
SEE NUTRITION, DIET PATHOGENIC

DIET THERAPY OF CANCER
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

DIETARY CALCIUM
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM

DIETARY CARBOHYDRATES
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

DIETARY CONSTITUENTS
SEE NUTRITION, DIETARY CONSTITUENTS (GENERAL)

DIETARY DEFICIENCY
SEE NUTRITIONAL ABNORMALITIES, MALNUTRITION (GENERAL)

DIETARY IRON
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON

DIETARY METALS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

DIETARY MINERALS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

DIETARY NUTRIENTS, GASTROINTESTINAL ABSORPTION
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DIETARY NUTRIENTS

DIETARY PROTEINS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS

DIETARY REQUIREMENTS
SEE NUTRITIONAL REQUIREMENTS

DIETARY SUGARS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

DIETARY SUPPLEMENTS
SEE NUTRITIONAL REQUIREMENTS, DIETARY SUPPLEMENTS

DIETARY SWEETENERS, ARTIFICIAL
SEE FOOD, SWEETENING AGENTS

DIETARY TRACE ELEMENTS AND MINERALS
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

DIFFERENTIATION
SEE CELL DIFFERENTIATION
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS

DIFFUSION
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION
SEE PHYSICAL PROPERTIES, DIFFUSION

DIFFUSION HORMONES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

DIGESTANTS (GENERAL)
SEE GASTROINTESTINAL AGENTS, DIGESTANTS (GENERAL)

DIGLYCERIDES
SEE LIPIDS, GLYCERIDES, DIGLYCERIDES

1,25-DIHYDROXYCHOLECALCIFEROL
SEE VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL

DIHYDROXYISOVALERIC ACID
SEE FATTY ACIDS

DIHYDROXYPHENYLALANINE
SEE CYCLIC AMINO ACIDS, DOPA

DILANTIN
SEE IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN

DIMETHYLBENZANTHRACENES
SEE CYCLICS, CARBOPOLYCYCLICS, BENZANTHRACENES

DIMETHYLTOCOLS
SEE VITAMINS, VITAMIN E, TOCOLS

DIMORPHISM; POLYMORPHISM (BIOLOGY)
SEE BIOLOGY, POLYMORPHISM

DIMORPHISM, SEXUAL (MICROORGANISM)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

DIOXANES, DIOXINS
SEE OXINS, DIOXANES

DIPEPTIDYL CARBOXYPEPTIDASE
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

DIPHENYLHYDANTOIN
SEE IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN

DIPHOSPHONATES
SEE PHOSPHONATES, DIPHOSPHONATES

DIPHOSPHOPYRIDINE NUCLEOTIDE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

DIPROPYLACETIC ACID
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

DISABLED CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

DISACCHARIDES, SUCROSE
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
** P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03739-14 Glycosyltransferases from oral bacteria
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans
P[illegible]DE-07318-02 Functional role of IgA antibodies to [illegible]ococcus mutans (rabbits)
[illegible]7560-01 Evaluation of natural sweeteners with [illegible]lian gerbils
R03DE-07565-01 Ecological competition among oral streps

DISCRIMINATION
SEE SENSORY-PERCEPTUAL PROCESSES, DISCRIMINATION

DISEASE CLASSIFICATION
SEE ALSO NEOPLASMS CLASSIFICATION AND STAGING
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)
** R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)

DISEASE CONTROL AND EPIDEMIOLOGY STUDY SECTION
SEE EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION

DISEASE CONTROL, COMMUNICABLE (INFECTIOUS) DISEASES
SEE COMMUNICABLE DISEASE CONTROL

DISEASE MODELS
SEE MODELS, DISEASE MODELS

DISEASE PREVENTION AND CONTROL
SEE HEALTH, DISEASE PREVENTION AND CONTROL

DISEASE PRONENESS-RISK
SEE ALSO NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS, CANCER RISK
SEE ALSO POPULATION STUDIES HUMAN, EPIDEMIOLOGY
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
P50DE-02670-20 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
** R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)
R01DE-06069-04 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
** P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
** P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
M P50DE-07118-02 Periodontal diseases research center
P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
R01DE-07204-02 Family studies of early onset periodontitis (human)
R03DE-07724-01 Microbial tests in the management of dental caries (human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

DISEASE RECURRENCE
R01DE-06069-04 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)

DISEASE REGISTRIES (CLINICAL DISEASE)
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

DISEASE TRANSMISSION (COMMUNICABLE DISEASE)
SEE COMMUNICABLE DISEASE TRANSMISSION

DISEASES (SYMPTOMS AND GENERAL PATHOLOGY) --SEE ALSO SPECIFIC BODY SYSTEM DISEASES AND
SEE ALSO BACTERIAL DISEASES
SEE ALSO BACTERIAL DISEASES, SPIROCHETAL DISEASES (GENERAL)
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO GROWTH ABNORMAL, HYPERPLASIA (GENERAL)
SEE ALSO GROWTH ABNORMAL, HYPERTROPHY
SEE ALSO GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)
SEE ALSO HEALTH (ALSO PHYSICAL ACTIVITY)
SEE ALSO HISTOPATHOLOGY (GENERAL)*
SEE ALSO INJURIES (HAZARDS AND INSULTS)
SEE ALSO NUTRITIONAL ABNORMALITIES
SEE ALSO OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES
SEE ALSO POPULATION STUDIES HUMAN, MORBIDITY
SEE ALSO PREGNANCY DISORDERS
SEE ALSO VIRUS DISEASES
R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
R01DE-07986-01 Incidence and prevalence of root caries in the elderly (human)

DISEASES, ACUTE (GENERAL)
** P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
** R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06622-03 Molecular mechanisms of periodontal disease
P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)

DISEASES, CHRONIC (GENERAL)
SEE ALSO BACTERIAL DISEASES
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES
SEE ALSO CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES
SEE ALSO CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
SEE ALSO IMMUNOPATHOLOGY, AUTOIMMUNE DISORDERS
SEE ALSO NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS
SEE ALSO SKELETAL DISORDERS, ARTHRITIS
SEE ALSO VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R23DE-06524-03 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06622-03 Molecular mechanisms of periodontal disease
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
R03DE-07317-01 Ability of thiophenes to inhibit alveolar bone loss in vivo (hamsters, rats)
** R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)
R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)

DISEASES, COMPLICATIONS
SEE ALSO NEOPLASMS, CANCER COMPLICATIONS OF
P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
** R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

DISEASES, COMPLICATIONS, ANESTHESIA RELATED
** R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)

DISEASES, COMPLICATIONS, POSTOPERATIVE
** R01DE-05369-08 Factors affecting dental postoperative pain (human)

DISEASES, PATHOLOGIC PROCESSES (NOT CLASSIFIED ELSEWHERE)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R23DE-06524-03 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06622-03 Molecular mechanisms of periodontal disease
R01DE-07204-02 Family studies of early onset periodontitis (human)
** R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)
** R13DE-07469-01 Symposium on oral mucosal diseases
** R23DE-07489-01 Pathogenesis of osteopetro-rickets in the toothless rat
R01DE-07493-01 Cariogenic potential of dental plaque fluid
R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)
R01DE-07606-01 Complement and periodontal pathogenic microorganisms
** R03DE-07871-01 Production of capnocytophaga specific monoclonal antibodies (mice)
** R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION
SEE ALSO GASTROINTESTINAL DISORDERS, INFLAMMATORY BOWEL DISEASE
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** R01DE-03218-15 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
P50DE-04881-10 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-05817-06 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06622-03 Molecular mechanisms of periodontal disease
R01DE-06860-03 Complement monocyte interactions in periodontal disease
R44DE-06932-03 A periodontal temperature probe (human)
** P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
R01DE-07376-02 Biochemical profile for gingival crevicular fluid
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
** R03DE-07591-01 Mast cells in periodontal inflammation (mice)
R01DE-07606-01 Complement and periodontal pathogenic microorganisms
R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)
R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION, ANTIINFLAMMATORY AGENTS
** P50DE-04881-10 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)

DISEASES, PATHOLOGIC PROCESSES, NECROSIS
SEE ALSO CELL DEATH
** R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)

DISEASES, PATHOLOGY (GENERAL)*
SEE ALSO HISTOPATHOLOGY (GENERAL)*
** R23DE-06524-03 The pathogenesis of chronic oral candidiasis in the rat
R13DE-07469-01 Symposium on oral mucosal diseases

DISEASES, PROGNOSIS
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

DISEASES, SIGNS-SYMPTOMS (NOT GROUPED ELSEWHERE)
SEE ALSO NEUROLOGIC MANIFESTATIONS
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
** R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)
** R03DE-07841-01 The prevalence of symptoms of T M disorders (human)
R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)
M R01DE-08112-01 Oral manifestations of the acquired immunodeficiency syndrome
** R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)
** R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

DISEASES, SYNDROMES NOT LISTED ELSEWHERE, BEHCET'S SYNDROME
** R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)

DISORDERS
SEE DISEASES (SYMPTOMS AND GENERAL PATHOLOGY) --SEE ALSO SPECIFIC BODY SYSTEM DISEASES AND

DISSECTION
SEE SURGERY, MICROSURGERY AND MICRODISSECTION

DISULFIDE BONDS
SEE CHEMICAL BONDS, DISULFIDE BONDS

DITERPENES
SEE TERPENES, DITERPENES

DITERPENOIDS
SEE TERPENES, DITERPENES

DIURNAL VARIATION
SEE BIOPERIODICITY, CIRCADIAN RHYTHMS

DL-A LOCUS (DOG)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

DNA
SEE NUCLEIC ACIDS, DNA

CDNA
SEE NUCLEIC ACIDS, COMPLEMENTARY DNA

DNA, RECOMBINANT, ARTIFICIALLY INDUCED
SEE GENETIC MANIPULATION

DNA, RECOMBINANT, NATURALLY OCCURRING
SEE NUCLEIC ACIDS, SYNTHETIC NUCLEIC ACIDS, HYBRID NUCLEIC ACIDS

DNA BACTERIAL
SEE NUCLEIC ACIDS, DNA BACTERIAL

DNA BIOSYNTHESIS
SEE NUCLEIC ACIDS SYNTHESIS, DNA

DNA CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

DNA LIBRARIES
SEE GENETICS, GENETIC LIBRARIES

DNA MANIPULATION (TRANSFER TO FOREIGN HOSTS)
SEE GENETIC MANIPULATION

DNA PROBE
SEE NUCLEIC ACIDS, DNA PROBE

DNA REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, DNA

DNA TRANSFER, ARTIFICIALLY INDUCED
SEE GENETIC MANIPULATION

DNA VIRAL
SEE NUCLEIC ACIDS, DNA VIRAL

DOCUMENTATION SYSTEMS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

DOHP (DIOLEYLPHOSPHATE) MODEL
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

DOPA
SEE CYCLIC AMINO ACIDS, DOPA

DOPAMINERGIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, DOPAMINERGIC RECEPTORS

DORMANT VIRUS DISEASES
SEE VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW

DORSAL COLUMN STIMULATOR (ELECTROANALGESIA)
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

DOSAGE
SEE DOSAGE AND ROUTE, DOSAGE

DOSAGE, RADIATION
SEE RADIATION DOSAGE AND DOSIMETRY

DOSAGE, RADIOTHERAPY
SEE RADIATION DOSAGE AND DOSIMETRY, RADIATION THERAPY DOSAGE

DOSAGE AND ROUTE, DOSAGE
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO RADIATION DOSAGE AND DOSIMETRY
R01DE-05369-08 Factors affecting dental postoperative pain (human)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R01DE-07755-01 Placental transfer of fluoride in the guinea pig
R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)

DOSAGE AND ROUTE, PERFUSION
R01DE-06894-02 Nitrous oxide and endorphins (rats)

DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)

DOSAGE AND ROUTE, ROUTE OF ADMINISTRATION
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)

DOSAGE SCHEDULE
SEE DOSAGE AND ROUTE, DOSAGE

DOSIMETRY, RADIATION
SEE RADIATION DOSAGE AND DOSIMETRY

DOSIMETRY, RADIOTHERAPY
SEE RADIATION DOSAGE AND DOSIMETRY, RADIATION THERAPY DOSAGE

DRINKING BEHAVIOR (ALCOHOL)
SEE ALCOHOLISM - DRINKING, ALCOHOL CONSUMPTION

DRINKING WATER
SEE WATER SUPPLY

DRIVE
SEE PSYCHOLOGY, MOTIVATION

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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DROPSY
SEE BODY FLUID BALANCE, EDEMA

DRUG BIOAVAILABILITY
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

DRUG DELIVERY SYSTEMS
SEE DRUGS, DRUG DELIVERY SYSTEMS

DRUG DELIVERY SYSTEM USING IONTOPHORESIS
SEE DRUGS, DRUG DELIVERY SYSTEMS

DRUG DESIGN
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

DRUG INDUCED CONGENITAL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, DRUG INDUCED

DRUG-INDUCED DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED

DRUG INTERACTIONS WITH NUTRIENTS
SEE NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION

DRUG METABOLISM
SEE DRUGS, PHARMACOLOGY, BIOCHEMICAL

DRUGS, BLOOD(PLASMA) LEVEL
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

DRUGS, CHEMOTHERAPY
SEE ALSO COMMUNICABLE DISEASES CHEMOTHERAPY
SEE ALSO CONNECTIVE TISSUE DISORDERS CHEMOTHERAPY
SEE ALSO DENTAL DISORDERS CHEMOTHERAPY
SEE ALSO DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
SEE ALSO DRUGS, PHARMACOLOGY
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO METABOLIC DISORDERS CHEMOTHERAPY
SEE ALSO NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY
SEE ALSO NERVOUS DISORDERS CHEMOTHERAPY
SEE ALSO NUTRITIONAL DISORDERS CHEMOTHERAPY
SEE ALSO SKELETAL DISORDERS CHEMOTHERAPY
SEE ALSO SKIN DISORDERS CHEMOTHERAPY
** P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)

DRUGS, CHEMOTHERAPY, DRUGS COMBINATION
R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-05369-08 Factors affecting dental postoperative pain (human)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

DRUGS, DRUG DELIVERY SYSTEMS
** R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
R01DE-05369-08 Factors affecting dental postoperative pain (human)

DRUGS, GASTROINTESTINAL ABSORPTION
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS

DRUGS, PHARMACOLOGY
SEE ALSO CARDIOVASCULAR PHARMACOLOGY
SEE ALSO CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY
SEE ALSO DENTAL PHARMACOLOGY
SEE ALSO DRUGS, CHEMOTHERAPY
SEE ALSO DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE ALSO NEUROPHARMACOLOGY
SEE ALSO PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)
** R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)

DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
R01DE-06429-05 Influence of acid-base status on fluoride metabolism (mammals)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)
R01DE-07755-01 Placental transfer of fluoride in the guinea pig

DRUGS, PHARMACOLOGY, BIOCHEMICAL
SEE ALSO CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
R01DE-06541-04 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R01DE-07755-01 Placental transfer of fluoride in the guinea pig
** R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

DRUGS ADDICTION ANTAGONISTS
R01DE-06894-02 Nitrous oxide and endorphins (rats)

DRUGS ADVERSE EFFECTS
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES, DRUG-INDUCED
SEE ALSO CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO DISEASES, COMPLICATIONS, ANESTHESIA RELATED
SEE ALSO DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
P50DE-02600-20 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
R01DE-06429-05 Influence of acid-base status on fluoride metabolism (mammals)
** R01DE-06541-04 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
** R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
** R23DE-06982-03 Biomechanical influences on condylar cartilage growth (rats)
P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
P50DE-07009-03 0008 Specialized caries research centers - Dental materials (monkeys)
** R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
** R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
** R03DE-07568-01 Cyclosporine-A induced gingival overgrowth in beagles (dogs)
** R03DE-07582-01 Effect of cyclosporine on human gingival fibroblasts
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)
** R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R43DE-07707-01 Anti-calculus agents
R01DE-07755-01 Placental transfer of fluoride in the guinea pig
** R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)
** R03DE-07870-01 Tetracycline binding to dentin (human)

DRUGS ADVERSE EFFECTS EMBRYO-FETAL
SEE PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS

DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE ALSO DRUGS INTERACTION
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
R03DE-07575-01 Salivary HBsAg and periodontal disease

DRUGS COMBINATION
SEE DRUGS, CHEMOTHERAPY, DRUGS COMBINATION

DRUGS INTERACTION
SEE ALSO DRUGS, CHEMOTHERAPY, DRUGS COMBINATION
SEE ALSO DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
R01DE-05369-08 Factors affecting dental postoperative pain (human)
** R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)

DRUGS RESISTANCE
R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
** R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence

DRUGS RESISTANCE, MICROBIAL
SEE ALSO GENETICS, MICROBIAL
P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory
P01DE-02847-18 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
R01DE-03487-15 Inhibition of human cariogenic streptococci
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
** R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
** R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)

DRUGS SCREENING AND EVALUATION
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)

DRUGS SYNTHESIS, DESIGN AND PRODUCTION
** R01DE-05476-06 Novel peptide derived sweeteners
** P50DE-07010-03 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
R01DE-07378-02 Human osteoclast-activating factor (mice, rats)
R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)

DRUGS TOXICOLOGY
SEE DRUGS ADVERSE EFFECTS

DRUGS VEHICLES
SEE ALSO DRUGS, PHARMACOLOGY, BIOAVAILABILITY
** R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)

DURATION OF TREATMENT
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

DYES, FLUORESCENT DYES AND PROBES
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*
R01DE-03739-14 Glycosyltransferases from oral bacteria

DYNORPHIN
SEE PEPTIDES, DYNORPHIN

ALA-DYNORPHIN
SEE PEPTIDES, DYNORPHIN

D-ALA(2)-DYNORPHIN (1-11)
SEE PEPTIDES, DYNORPHIN

DYSKINESIA, TARDIVE
SEE NEUROMOTOR DISORDERS, TARDIVE DYSKINESIA

EAR, HEARING, AUDIOSTIMULUS
P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

EAR, MIDDLE EAR, EUSTACHIAN TUBE
** P01DE-01697-24 0041 Developmental research in cleft palate - Cleft palate repair and eustachian tube function in children

EAR DISORDERS, HEARING DISORDERS
P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)
** P01DE-01697-24 0041 Developmental research in cleft palate - Cleft palate repair and eustachian tube function in children

EAR DISORDERS, MIDDLE EAR DISORDERS, OTITIS MEDIA
** P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)
P01DE-01697-24 0041 Developmental research in cleft palate - Cleft palate repair and eustachian tube function in children

EAR SURGERY, MYRINGOPLASTY
P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)

EAR SURGERY, TYMPANOPLASTY
SEE ALSO EAR SURGERY, MYRINGOPLASTY
P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)

EAR (TISSUE) TRANSPLANTATION
R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

EARLY CHILDHOOD
SEE CHILDREN, PRESCHOOL (1 TO 6 YRS)

EARLY DIAGNOSIS
SEE DIAGNOSTIC TESTS, EARLY DIAGNOSIS*

EARLY EMBRYONIC STAGES
SEE EMBRYOLOGY, EARLY EMBRYONIC STAGES (1-28 DAYS)

EATING BEHAVIOR
SEE NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR

EB VIRUS
SEE VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4

ECOLOGY MICROORGANISMS
SEE ENVIRONMENT, ECOLOGY ORGANISMS

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

ECONOMICS
SEE HEALTH ECONOMICS

ECTODERM
SEE EMBRYOLOGY, GERM LAYERS, ECTODERM

ECTOPIC HORMONE
SEE PEPTIDES, VASOACTIVE PEPTIDES, VASOACTIVE INTESTINAL POLYPEPTIDE

ECTOPLASM
SEE CELL COMPONENTS, CYTOPLASM

EDEMA
SEE BODY FLUID BALANCE, EDEMA

EDENTULOUS MOUTH
SEE DENTAL DISORDERS, TOOTH LOSS

EDETIC ACID
SEE AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA

EDTA
SEE AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA

EDUCATION, HEALTH EDUCATION
SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
** R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)
R03DE-07855-01 Public knowledge and opinion--Fluorides/fluoridation (human)

EDUCATION, HEALTH EDUCATION, DENTAL
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)
** R01DE-07718-01 Professional education and patient periodontal health

EDUCATION, HEALTH OCCUPATIONS, DENTAL
** R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)

EDUCATION, SPECIAL (REMEDIAL)
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

EFFERENT NERVES
SEE NERVOUS SYSTEM, EFFERENT NERVES

EFFORT, PHYSICAL (HEALTH)
SEE HEALTH, PHYSICAL ACTIVITY (GENERAL)

EGF
SEE GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR

EHLERS-DANLOS SYNDROME
SEE METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME

EICOSANOIDS METABOLISM
SEE FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM

EICOSATETRAENOIC ACIDS
SEE FATTY ACIDS, EICOSANOIDS, ARACHIDONIC ACID

5,8,11,14-EICOSATETRAENOIC ACID
SEE FATTY ACIDS, EICOSANOIDS, ARACHIDONIC ACID

12-OH EICOSATETRAENOIC ACID
SEE FATTY ACIDS, EICOSANOIDS, ARACHIDONIC ACID

8,11,14-EICOSATRIENOATE, HYDROGEN-DONOR: OXYGEN OXIDOREDUCTASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

ELASTASE
SEE PROTEASES AND PEPTIDASES, ELASTASE

ELASTICITY
SEE PHYSICAL PROPERTIES, ELASTICITY

ELASTIN
SEE FIBROUS PROTEINS, ELASTIN

ELASTOGRAPHY
SEE PHYSICAL PROPERTIES, ELASTICITY

ELASTOMERS
SEE PLASTICS, ELASTOMERS

ELECTRICAL MASKING OF PAIN
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ELECTRICAL POTENTIALS
SEE ELECTROPOTENTIALS

ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)
R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
** R01DE-07787-01 Functional orthopedic magnetic appliances (monkeys)

ELECTROANALGESIA
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ELECTROANESTHESIA
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

ELECTROCARDIOGRAPHY MONITOR
SEE HEART DISORDERS DIAGNOSIS, ELECTROCARDIOGRAPHY MONITOR*

ELECTROCHEMISTRY
SEE CHEMISTRY, ELECTROCHEMISTRY

ELECTRODES, MICROELECTRODES*
P50DE-07010-03 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)

ELECTRODIFFUSION
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION

ELECTROGENIC ION PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS

ELECTROLYTE EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT

ELECTROLYTE-WATER BALANCE
SEE BODY FLUID BALANCE, IONIC

ELECTROLYTES
SEE IONS, ELECTROLYTES

ELECTROMAGNETICS
SEE ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)

ELECTROMYOGRAPHY
SEE MUSCLE FUNCTION, ELECTROMYOGRAPHY*

ELECTRON-PAIR BONDS
SEE CHEMICAL BONDS, COVALENT

ELECTRONIC SPECTRA, FREE RADICALS
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

ELECTRONIC SPECTRA, SINGLET STATE
R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)

ELECTROPHILES AS CARCINOGENS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, CHEMICAL

ELECTROPHYSIOLOGY
SEE ALSO BRAIN ELECTRICAL ACTIVITY
SEE ALSO ELECTROPOTENTIALS
SEE ALSO ELECTROSTIMULUS
SEE ALSO NEUROPHYSIOLOGY (GENERAL)
** P50DE-02668-20 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
** P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)

ELECTROPOTENTIALS
P50DE 02668-20 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-06127-04 Acid-base physiology of oral streptococci
R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

ELECTROPOTENTIALS, ACTION POTENTIALS
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R03DE-07598-01 The neurovascular relationship of the dental pulp (dogs)

ELECTROPOTENTIALS, EVOKED POTENTIALS
** P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlatae
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
R01DE-06219-04 Facial behavior related to acute dental pain (human)
** P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain
** R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)

ELECTROPOTENTIALS, MEMBRANE POTENTIALS
R01DE-04385-11 Mechanism of dental caries
R01DE-05354-09 Prevention of dental caries
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)

ELECTROSTIMULUS
P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain
R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
** R03DE-07451-01 Inducing osteogenesis in hydroxylapatite with DC current (dogs)

ELECTROTHERAPY
SEE HEALTH CARE SERVICES, PHYSICAL THERAPY, ELECTROTHERAPY

ELECTROVALENT BONDS
SEE CHEMICAL BONDS, IONIC

ELEMENTS, TRACE
SEE CHEMICALS (GENERAL), ELEMENTS, TRACE ELEMENTS

EMBRYO, MAMMALIAN
SEE PREGNANCY, EMBRYO-FETUS

EMBRYO CELLS AND TISSUES
SEE EMBRYOLOGY, EMBRYO-FETAL CELLS, TISSUES AND STRUCTURES

EMBRYO CULTURE
SEE PREGNANCY, EMBRYO-FETUS CULTURE

EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

EMBRYO-FETUS DRUGS ADVERSE EFFECT
SEE PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS

EMBRYO-FETUS TOXICOLOGY
SEE PREGNANCY, EMBRYO-FETUS TOXICOLOGY

EMBRYOLOGY, EARLY EMBRYONIC STAGES (1-28 DAYS)
** R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
** R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)

EMBRYOLOGY, EMBRYO-FETAL CELLS, TISSUES AND STRUCTURES
SEE ALSO PREGNANCY, EMBRYO-FETUS
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)

EMBRYOLOGY, GERM LAYERS, ECTODERM
** R01DE-07499-01 Quantitative study of the face in ectodermal dysplasia
** R03DE-07573-01 Sweat pore counts in ectodermal dysplasia and hypodontia

EMBRYOLOGY, MAMMALIAN EMBRYOLOGY
R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)

EMBRYOLOGY, NON-MAMMALIAN EMBRYOLOGY
R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
R01DE-07674-01 Analysis of primary palate formation (chick embryos)

EMOTIONAL ADJUSTMENT
SEE PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT

EMOTIONAL STRESS
SEE STRESS

ENAMEL
SEE DENTAL STRUCTURE, ENAMEL

ENAMEL ORGAN
SEE DENTAL STRUCTURE, ENAMEL ORGAN

ENAMEL (TOOTH) REMINERALIZATION ENHANCERS
SEE CALCIFICATION ENHANCING AGENTS

ENDOCARDITIS BACTERIAL
SEE HEART DISORDERS, ENDOCARDITIS BACTERIAL

ENDOCRINE DISORDERS
SEE ENDOCRINOLOGY, ENDOCRINE DISORDERS

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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ENDO[illegible]RDERS HORMONE THERAPY
SE[illegible]NDOCRINE DISORDERS HORMONE

ENDOCRINE GLANDS DISORDERS
SEE ENDOCRINOLOGY, ENDOCRINE DISORDERS

ENDOCRINE REGULATION AND CONTROL (MECHANISMS)
SEE ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)

ENDOCRINOLOGY, ENDOCRINE DISORDERS
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES
SEE ALSO SKELETAL DISORDERS, BONE DEVELOPMENT, DWARFISM, PITUITARY
SEE ALSO SKELETAL DISORDERS, BONE DEVELOPMENT, GIGANTISM
R03DE-07597-01 Craniofacial growth in giant transgenic mice

ENDOCRINOLOGY, ENDOCRINE DISORDERS HORMONE THERAPY
R03DE-07597-01 Craniofacial growth in giant transgenic mice

ENDOCRINOLOGY, ENDOCRINE SURGERY
SEE PARATHYROIDECTOMY

ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
** R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-05255-07 Regulation of collagenase and bone resorption (mice, chick embryo)
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
** R01DE-06848-03 Androgen control of salivary gland EGF in cleft palate (mice)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
** R01DE-06955-03 Epidermal growth factor and tooth development (mice)
** R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R23DE-07391-02 Insulin and protein synthesis in the rat gland
** R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
** R03DE-07597-01 Craniofacial growth in giant transgenic mice
R01DE-07620-02 Neural aspects of craniofacial morphogenesis (frogs)
** R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)
R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)
** P01DE-07687-05 0007 Regeneration and transplantation of skeletal muscle - Hormonal regulation of muscle regeneration (rat)
** R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)
R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)
R03DE-07851-01 Amylase regulation in human salivary glands
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

ENDOCRINOLOGY, HORMONE BINDING PROTEINS
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-06848-03 Androgen control of salivary gland EGF in cleft palate (mice)

ENDOCRINOLOGY, HORMONE RECEPTORS
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
** R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06848-03 Androgen control of salivary gland EGF in cleft palate (mice)
** R23DE-07389-02 VIP receptors and submandibular gland function (rats)

ENDOCRINOLOGY, HORMONES, PEPTIDE-POLYPEPTIDE HORMONES
SEE ALSO GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ
SEE ALSO GROWTH FACTORS (INCL ANABOLICS), EPIDERMAL GROWTH FACTOR
SEE ALSO GROWTH FACTORS (INCL ANABOLICS), FIBROBLAST GROWTH FACTOR
SEE ALSO GROWTH HORMONES VERTEBRATE, SOMATOMEDIN (SULFATION FACTOR) (THYMIDINE FACTOR)
SEE ALSO PANCREAS HORMONES, INSULIN
SEE ALSO PARATHYROID HORMONES
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN
SEE ALSO THYROID HORMONES, (THYRO)CALCITONIN
R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)

ENDOCRINOLOGY, HORMONES, STEROID HORMONES
SEE ALSO ANDROSTANE SERIES, ANDROGENS
SEE ALSO PROGESTINS
SEE ALSO REPRODUCTIVE HORMONES, SEX HORMONES
** R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

ENDOCRINOLOGY, HORMONES BIOSYNTHESIS
SEE ALSO PROTEINS BIOSYNTHESIS
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
** R23DE-07391-02 Insulin and protein synthesis in the rat gland
R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)

ENDOCRINOLOGY, HORMONES METABOLISM
R01DE-06848-03 Androgen control of salivary gland EGF in cleft palate (mice)

ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES
P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory

ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES
R01DE-07620-02 Neural aspects of craniofacial morphogenesis (frogs)

ENDOCYTOSIS
SEE CELL INGESTION, PHAGOCYTOSIS
SEE CELL INGESTION, PINOCYTOSIS

ENDODONTICS
SEE DENTISTRY, ENDODONTICS

ENDOPEROXIDES
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

ENDOPLASM
SEE CELL COMPONENTS, CYTOPLASM

ENDOPLASMIC RETICULUM
SEE CELL COMPONENTS, ENDOPLASMIC RETICULUM

ENDORPHIN RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS

ENDORPHINS
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

ALPHA-ENDORPHIN
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

BETA-ENDORPHIN
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS

ENDOSSEOUS ARTIFICIAL TOOTH IMPLANT
SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

ENDOTHELIUM VASCULAR
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM

ENDOTHELIUM VASCULAR PERMEABILITY
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY

ENDOTOXINS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, ENDOTOXINS

ENDOXAN
SEE HALOALKYLAMINES, CYCLOPHOSPHAMIDE

ENERGETICS OF BIOLOGICAL TRANSPORT
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

ENERGY DEPENDENT TRANSPORT
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT

ENGINEERING, BIOMEDICAL
SEE BIOMEDICAL ENGINEERING

ENKEPHALIN
SEE PEPTIDES, ENKEPHALIN

ENKEPHALIN RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS

ENOLASE
SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE

ENTACTIN
SEE GLYCOPROTEINS

ENTERIC BACTERIA
SEE BACTERIA, ENTERIC (GENERAL)*

ENTEROCOCCI (STREPTOCOCCUS)
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*

ENVIRONMENT, ADAPTATION
** P01DE-07687-05 0008 Regeneration and transplantation of skeletal muscle - Adaptation of autografts to physical conditioning (rat)

ENVIRONMENT, ECOLOGY ORGANISMS
SEE ALSO POPULATION STUDIES MICROORGANISMS
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
** R03DE-07565-01 Ecological competition among oral streps

ENVIRONMENT, ECOLOGY ORGANISMS, HOST-ORGANISM
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P50DE-02731-20 0034 Development support for dental research institute - Microbial biochemistry laboratory
M P01DE-02847-18 Microbial ecology and its relation to dental disease
P50DE-04881-10 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-06945-04 Characterization of microbial lectins
** R01DE-06989-02 Neutrophil function in periodontal disease (human)
P50DE-07009-03 0004 Specialized caries research centers - Immunological aspects of root caries (human)
R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
** P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
** P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07267-03 Periodontopathic bacteria--Chemical biologic nature (animals)
** R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)
** R23DE-07473-01 Host processing of LPS in periodontitis (mice)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme
R03DE-07856-01 Methanogenic bacteria in subgingival dental plaque (human)

ENVIRONMENT, ORIENTATION, CHEMOTAXIS
P50DE-02600-20 0030 Support for oral biology research center - Human gingival epithelial cells
P50DE-02600-20 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
R01DE-03301-16 Connective tissues of the periodontium (human, dog)
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
** R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
** R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06989-02 Neutrophil function in periodontal disease (human)
** P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
R01DE-07204-02 Family studies of early onset periodontitis (human)
R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
R01DE-07512-01 Regeneration of the periodontium--An in vitro study
R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
R01DE-07675-01 Periodontosis--A PMN actin dysfunction syndrome
R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)

(contd)

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**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
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ENVIRONMENT CONTROLLED
** R01DE-06762-03 Development of an advanced artificial oral environment
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)

ENVIRONMENTAL CONTAMINANTS (GENERAL)
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

ENVIRONMENTAL HEALTH (GENERAL)
SEE ALSO EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
** P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)

ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO GENETICS, MUTAGENS
SEE ALSO RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

ENVIRONMENTAL POLLUTANTS (GENERAL)
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

ENVIRONMENTAL RADIATION
SEE RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL

ENVIRONMENTAL STRESS
SEE STRESS

ENVIRONMENTAL STRESSORS
SEE STRESS, ENVIRONMENTAL STRESSORS

ENZYME DEREPRESSION
SEE ENZYME INDUCTION-REPRESSION-DEREPRESSION

ENZYME INDUCTION
SEE ENZYME INDUCTION-REPRESSION-DEREPRESSION

ENZYME INDUCTION-REPRESSION-DEREPRESSION
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05255-07 Regulation of collagenase and bone resorption (mice, chick embryo)
** R03DE-07851-01 Amylase regulation in human salivary glands
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

ENZYME INHIBITORS
SEE ALSO BLOOD COAGULATION, ANTITHROMBINS
SEE ALSO ENZYME SUBSTRATE ANALOGS
R01DE-03246-17 Dynamic properties of the cytoskeleton
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-05255-07 Regulation of collagenase and bone resorption (mice, chick embryo)
R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)

ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)
** R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R23DE-06896-03 Nonenzymatic reactions in human dentin proteins
R01DE-06952-03 Enamel secretory matrix protease (catte, rats)
R01DE-07257-03 IgA protease and dental caries

ENZYME MECHANISMS
P50DE-02670-20 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
** P50DE-02670-20 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-03246-17 Dynamic properties of the cytoskeleton
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-05249-07 Salivary secretion - role of calcium (mice)
R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-06952-03 Enamel secretory matrix protease (catte, rats)
** P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans
** R23DE-07076-01 Human salivary peroxidase purification and properties (rabbits)
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)
R01DE-07257-03 IgA protease and dental caries
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
** R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

ENZYME REPRESSION
SEE ENZYME INDUCTION-REPRESSION-DEREPRESSION

ENZYME STRUCTURE
P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
** P50DE-02670-20 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06952-03 Enamel secretory matrix protease (catte, rats)
R23DE-07076-01 Human salivary peroxidase purification and properties (rabbits)
R01DE-07257-03 IgA protease and dental caries
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

ENZYME SUBSTRATE
P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)

ENZYME SUBSTRATE ANALOGS
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)

ENZYMES
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES
SEE ALSO CARBOHYDRASES
SEE ALSO ENZYME INHIBITORS
SEE ALSO HYDROLASES
SEE ALSO LIGASES
SEE ALSO OXIDOREDUCTASES
SEE ALSO PEROXIDASES
SEE ALSO PHOSPHATASES
SEE ALSO PROTEASES AND PEPTIDASES
SEE ALSO TRANSFERASES
** P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)

ENZYMES, ISOENZYMES
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)

ENZYMES, ZYMOGENS
P50DE-02670-20 0039 Institute of dental research - Structure and function of latent collagenase

EOSINOPHIL CHEMOTACTIC FACTOR (ECF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

EPIDEMIOLOGY, EPIDEMIOLOGIC METHODS
SEE POPULATION STUDIES HUMAN, EPIDEMIOLOGY

EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
** R01DE-04068-12 Statistical methods in dental research
** R01DE-06069-04 A genetic study of cleft lip and cleft palate in Hawaii
** R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
** R01DE-06570-05 Psychosocial evaluation of craniofacial patients
** R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
** R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
** R01DE-07360-01 Oral-facial clefts in China a family study
** R01DE-07986-01 Incidence and prevalence of root caries in the elderly (human)

EPIDEMIOLOGY OF MENTAL DISORDERS
SEE MENTAL HEALTH EPIDEMIOLOGY

EPIDEMIOLOGY OF NEOPLASTIC DISEASE
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS

EPIDERMAL CELLS OF VERTEBRATES OF ECTODERMAL ORIGIN
SEE SKIN, KERATINOCYTES
SEE SKIN, LANGERHANS CELLS

EPIDERMAL GROWTH FACTOR
SEE GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR

EPIDERMIS
SEE SKIN (GENERAL)

EPIDERMOID CARCINOMA
SEE NEOPLASMS, CARCINOMA EPIDERMOID

EPIDERMOLYSIS BULLOSA (HEREDITARIA)
SEE CONGENITAL ABNORMALITIES, SKIN, EPIDERMOLYSIS BULLOSA

EPIGLOTTIS
SEE RESPIRATORY SYSTEM, LARYNX, EPIGLOTTIS

EPINEPHRINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE

EPISOMES
SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS

EPITHELIUM
SEE TISSUE, EPITHELIUM

EPITHELIUM, GASTROINTESTINAL
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

EPITOPE
SEE IMMUNOLOGY, ANTIGENS

EPSTEIN-BARR VIRUS
SEE VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4

EQUILIBRIUM SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

EQUIPMENT, LABORATORY
SEE BIOMEDICAL FACILITIES

ERYTHEMA
SEE SKIN DISORDERS, ERYTHEMA (GENERAL)

ERYTHROBLASTOSIS (ERYTHROLEUKOSIS) VIRUS AVIAN
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

ERYTHROCYTES
SEE BLOOD CELLS, ERYTHROCYTES

ERYTHROMYCIN
SEE ANTIBIOTICS, MACROLIDE ANTIBIOTICS, ERYTHROMYCIN

ESCHERICHIA COLI
SEE BACTERIA, ENTEROBACTERIACEAE, ESCHERICHIA COLI*

ESOPHAGEAL DISORDERS (GENERAL)
SEE GASTROINTESTINAL DISORDERS, ESOPHAGEAL DISORDERS (GENERAL)

ESOPHAGEAL EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

ESOPHAGEAL MUCOSA
SEE ORAL-PHARYNGEAL, MUCOSA

ESSENTIAL FATTY ACIDS (HUMAN)
SEE FATTY ACIDS, UNSATURATED, LINOLENIC ACID

ETHNIC GROUPS
SEE SOCIAL GROUPS, ETHNIC

ETHOLOGY (HUMAN)
SEE PSYCHOLOGY, BEHAVIOR

ETHYLENEDIAMINE TETRAACETIC ACID
SEE AMINO ACIDS, ETHYLENEDIAMINO ACIDS, EDTA

EUCHROMATIN
SEE GENETICS, CHROMOSOMES

EUSTACHIAN TUBE
SEE EAR, MIDDLE EAR, EUSTACHIAN TUBE

EVALUATION AND/OR ANALYSIS
SEE BIOMATERIALS, BIOMATERIALS EVALUATION
SEE COMPUTER, DESIGN AND EVALUATION OF COMPUTERS (INCL. HARDWARE)
SEE HEALTH CARE (SERVICES) (RESOURCES) ANALYSIS AND EVALUATION
SEE INFORMATION GATHERING METHODS EVALUATION-STANDARDS
SEE THERAPY EVALUATION

EVALUATION OF BIOMATERIALS
SEE BIOMATERIALS, BIOMATERIALS EVALUATION

EVALUATION OF DIAGNOSTIC TESTS
SEE DIAGNOSIS, DIAGNOSTIC TESTS, DESIGN, DEVELOPMENT AND EVALUATION OF DIAGNOSTIC TESTS*

EVALUATION OF DRUGS
SEE DRUGS SCREENING AND EVALUATION

EVAPORATION
SEE PHYSICAL PROPERTIES, EVAPORATION-CONDENSATION

EVOKED POTENTIALS
SEE ELECTROPOTENTIALS, EVOKED POTENTIALS

EXCEPTIONAL (HANDICAPPED) CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

EXCHANGE DIFFUSION
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION

EXCIPIENTS
SEE DRUGS VEHICLES

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

(contd)

EXCRETION
SEE BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS, EXCRETION

EXHALATION-INHALATION
SEE RESPIRATORY FUNCTION, RESPIRATION

EXOCRINE GLANDS (GENERAL)
SEE TISSUE, EXOCRINE GLANDS (GENERAL)

EXOCYTOSIS
SEE CELL SECRETION, EXOCYTOSIS

EXOTOXINS
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, EXOTOXINS

EXPECTORANTS
SEE RESPIRATORY DRUGS, EXPECTORANTS AND MUCOLYTICS

EXPIRATION-INSPIRATION
SEE RESPIRATORY FUNCTION, RESPIRATION

EXTENDED HEALTH CARE
SEE HEALTH CARE SERVICES, LONG TERM CARE

EXTERNAL LOCUS OF CONTROL
SEE PSYCHOLOGY SOCIAL, LOCUS OF CONTROL

EXTRACELLULAR MATRIX
SEE CELL COMPONENTS, EXTRACELLULAR MATRIX

EXTRACHROMOSOMAL DNA, GENETICS, INHERITANCE
SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE

EXTRACORPOREAL RADIOASSAY
SEE RADIOASSAY (RADIOMETRY)

EXTRANUCLEAR DNA
SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE

EXTREMITIES
SEE SKELETAL SYSTEM, LIMB

EXTRINSIC PROTEINS
SEE PROTEINS, MEMBRANE PROTEINS

EXTRINSIC SURFACE ACTIVITY OF MEMBRANES
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

EYE
R23DE-07190-02 Craniofacial ossification during anuran metamorphosis

EYE, VISUAL STIMULUS
P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

EYE DISORDERS, LACRIMAL
R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)
R03DE-07747-01 Viral infection & salivary gland graft-vs host disease (mice, rats)

F
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

F1 HYBRID DISEASE (TRANSPLANTATION)
SEE TISSUE COMPATIBILITY-TRANSPLANT, GRAFT VERSUS HOST REACTIONS

FACE
SEE BODY REGIONS, HEAD, FACE

FACE NEOPLASMS
SEE NEOPLASMS OF BODY REGIONS, HEAD AND NECK

FACIAL ANOMALIES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

FACIAL EXPRESSION
SEE INFORMATION-COMMUNICATION BEHAVIOR, FACIAL EXPRESSION

FACIAL MUSCLES
SEE MUSCLES, FACIAL MUSCLES

FACIAL PAIN
SEE ORAL-FACIAL PAIN

FACIAL RESTORATION
SEE ORAL-FACIAL RESTORATION

FACILITATED DIFFUSION
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION

FACILITIES
SEE BIOMEDICAL FACILITIES
SEE BIOMEDICAL SYSTEMS AUTOMATED
SEE STATISTICAL SERVICE AND CENTERS

FACTOR II
SEE BLOOD COAGULATION, PROTHROMBIN

FACTOR X
SEE BLOOD COAGULATION, FACTOR X

FAILURE TO THRIVE INTRAUTERINE
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

FAILURE TO THRIVE POSTNATAL
SEE GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)

FAMILIAL DISORDERS
SEE GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)

FAMILY
SEE ALSO CHILDREN
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-05054-08 Periodontal disease--Microbiological studies (human)
R01DE-06570-05 Psychosocial evaluation of craniofacial patients
** R03DE-07553-01 Family data for dental multifactorial genetic research

FAMILY, PARENT-OFFSPRING
R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
** R23DE-06865-03 Child desensitization for dental visits (human)
R01DE-07353-01 Increasing orthodontic treatment compliance in children (human)
R03DE-07553-01 Family data for dental multifactorial genetic research
R01DE-07978-01 Increasing orthodontic treatment compliance in children (human)

FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION
** P50DE-02670-20 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
** R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)

FAMILY, SIBLING ORDER
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics

FAMILY, TWINS AND MULTIPLETS
R03DE-07428-01 Twin half-sibs--A new genetic model for dental traits

FAT-SOLUBLE VITAMINS
SEE VITAMINS, VITAMIN D (GENERAL)
SEE VITAMINS, VITAMIN K (GENERAL)

FATIGUE
SEE HEALTH, PHYSICAL ACTIVITY, FATIGUE

FATTY ACID CYCLOOXYGENASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

FATTY ACIDS
SEE ALSO CARBOXYLIC ACIDS
R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

FATTY ACIDS, ACETATES
R01DE-06127-04 Acid-base physiology of oral streptococci
R01DE-07493-01 Cariogenic potential of dental plaque fluid

FATTY ACIDS, EICOSANOIDS, ARACHIDONIC ACID
R01DE-05626-06 Role of complement in periodontal disease
** R01DE-05967-04 Role of arachidonate metabolites in periodontitis
** R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R01DE-06860-03 Complement monocyte interactions in periodontal disease
R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)

FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS
SEE ALSO FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM
SEE ALSO OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
** P50DE-04881-10 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R01DE-06860-03 Complement monocyte interactions in periodontal disease
** R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)
** R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)
** R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)

FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS, PROSTAGLANDIN E
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)

FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS ANALOGS
R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)

FATTY ACIDS, EICOSANOIDS, THROMBOXANES
R01DE-05626-06 Role of complement in periodontal disease
R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)

FATTY ACIDS, LACTATES
SEE ALSO OXIDOREDUCTASES, LACTATE DEHYDROGENASE
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-04385-11 Mechanism of dental caries
R01DE-06127-04 Acid-base physiology of oral streptococci
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R01DE-07493-01 Cariogenic potential of dental plaque fluid

FATTY ACIDS, PYRUVATES
R23DE-06896-03 Nonenzymatic reactions in human dentin proteins

FATTY ACIDS, UNSATURATED, LINOLENIC ACID
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria

FATTY ACIDS METABOLISM
SEE ALSO FATTY ACIDS TRANSPORT (GENERAL)
** R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)

FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM
R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)

FATTY ACIDS TRANSPORT (GENERAL)
R01DE-06127-04 Acid-base physiology of oral streptococci

FC RECEPTOR AUGMENTING FACTOR (FRAF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

FE
SEE IRON

FEAR, DENTAL
SEE DENTAL FEAR AND ANXIETY

FECES ANALYSIS
SEE CHEMISTRY, CLINICAL, FECES ANALYSIS*

FEEDBACK, SENSORY
SEE SENSORY FEEDBACK

FEEDBACK CONTROL (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

FEEDING (EATING) BEHAVIOR
SEE NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR

FEEDS, ANIMAL
SEE FOOD, ANIMAL FEEDS

FEMUR
SEE SKELETAL SYSTEM, LIMB BONES, FEMUR

FERTILITY-INFERTILITY, SEX CYCLES, MENSTRUAL CYCLE
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)

FETAL ALCOHOL DISORDERS
SEE PREGNANCY DISORDERS, EMBRYO-FETAL DISORDERS, FETAL ALCOHOL DISORDERS

FETAL CELLS AND TISSUES
SEE EMBRYOLOGY, EMBRYO-FETAL CELLS, TISSUES AND STRUCTURES

FETAL CULTURE
SEE PREGNANCY, EMBRYO-FETUS CULTURE

FETAL FAILURE TO THRIVE
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

FETAL GROWTH DISORDERS
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

FETAL HYPOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA FETAL

(contd)

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number.

FETAL NUTRITION
SEE NUTRITION, MATERNAL-FETAL NUTRITION

FETAL TOXICOLOGY
SEE PREGNANCY, EMBRYO-FETUS TOXICOLOGY

FETUIN-BINDING LECTIN
SEE PROTEINS, LECTINS (NON-PLANT)

FETUS
SEE PREGNANCY, EMBRYO-FETUS

FEVER
SEE TEMPERATURE (BODY), FEVER

FEVER BLISTERS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

FGF
SEE GROWTH FACTORS (INCL. ANABOLICS), FIBROBLAST GROWTH FACTOR

FIBRINOGEN
SEE BLOOD COAGULATION, FIBRINOGEN

FIBRINOGENASE
SEE BLOOD COAGULATION, THROMBIN

FIBROBLAST GROWTH FACTOR
SEE GROWTH FACTORS (INCL. ANABOLICS), FIBROBLAST GROWTH FACTOR

FIBROBLASTS
SEE CONNECTIVE TISSUE CELLS, FIBROBLASTS

FIBRONECTIN
SEE GLYCOPROTEINS, FIBRONECTIN

FIBROSIS
SEE CONNECTIVE TISSUE HYPERPLASIA, FIBROSIS SUBCUTANEOUS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

FIBROUS PROTEINS, COLLAGEN
SEE ALSO FIBROUS PROTEINS, GELATIN
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
P50DE-02600-20 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
** P50DE-02668-20 0125 Regional dental research center - Significance of collagen crosslinks in tissue
** P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
** P50DE-02670-20 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans
** P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
P50DE-02731-20 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
R01DE-03223-16 Kinetics of mineralization of teeth (human)
** R01DE-03301-16 Connective tissues of the periodontium (human, dog)
** R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-05092-08 Proteins involved in dentinogenesis
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-05690-05 Localization of the procollagens in dental tissues (rats, mice, rabbits)
** R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
R01DE-05996-05 Alveolar bone metabolism during tooth eruption (dogs)
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
R23DE-06896-03 Nonenzymatic reactions in human dentin proteins
P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
P01DE-06946-03 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R23DE-07075-02 Tissue interactions in root development (mice)
R01DE-07086-02 Development of artificial oral mucosa (rabbits)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
R01DE-07512-01 Regeneration of the periodontium--An in vitro study
R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)
R03DE-07715-01 Parvovirus associated craniofacial disturbances (hamsters, rats)
R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

FIBROUS PROTEINS, COLLAGEN, PROCOLLAGEN
** P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
** R01DE-05690-05 Localization of the procollagens in dental tissues (rats, mice, rabbits)
** R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)

FIBROUS PROTEINS, ELASTIN
P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans

FIBROUS PROTEINS, GELATIN
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)

FIBROUS PROTEINS, KERATIN
SEE ALSO FIBROUS PROTEINS, KERATOHYALIN
SEE ALSO SKIN, KERATINOCYTES
R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

FIBROUS PROTEINS, KERATOHYALIN
** R01DE-04660-11 Keratohyalin in keratinization--Oral mucosa and skin (human)

FILIPINO-AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS

FIMBRIAE
SEE CELL COMPONENTS, PILI

FINGER AND PALM PRINTS
SEE SKIN, DERMATOGLYPHICS

FIXED CHARGE HYPOTHESIS
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION

FIXED CHARGES IN TRANSPORT ENERGETICS
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

FIXING OF TISSUES OR CELLS
SEE TISSUE AND CELL PREPARATION

FLAGELLAR MOVEMENT
SEE CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT

FLAGYL
SEE IMIDAZOLES, METRONIDAZOLE

FLAVOR (SENSE)
SEE SENSORY-PERCEPTUAL PROCESSES, TASTE

FLOW CYTOFLUOROMETRY-CYTOPHOTOMETRY
SEE CELL SORTING, LASER

FLOW CYTOMETRY, LASER
SEE CELL SORTING
SEE CELL SORTING, LASER

FLOW MICROFLUOROMETRY, MICROPHOTOMETRY (CELL ANALYSIS AND SEPARATION)
SEE CELL SORTING, LASER

FLOWMETERS, AIRFLOWMETERS (RESPIRATORY)
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

FLUID DYNAMICS
SEE PHYSICAL PROPERTIES, FLUID DYNAMICS (GENERAL)

FLUID-ELECTROLYTE BALANCE
SEE BODY FLUID BALANCE, IONIC

FLUID EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT

FLUID STATE
SEE PHYSICAL PROPERTIES, FLUID STATE

FLUIDS
SEE BODY FLUIDS (AND RELATED SUBSTANCES)
SEE PHYSICAL PROPERTIES, FLUID STATE

FLUORESCENCE ACTIVATED CELL SORTER
SEE CELL SORTING, LASER

FLUORESCENCE LABELING, PROBES
SEE DYES, FLUORESCENT DYES AND PROBES

FLUORESCENCE MICROSCOPY
SEE OPTICS, MICROSCOPY, FLUORESCENCE*

FLUORESCENT ANTIBODY TECHNIQUE
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*

FLUORESCENT ANTIGEN TECHNIQUE
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*

FLUORESCENT DYES
SEE DYES, FLUORESCENT DYES AND PROBES

FLUORIDATION-DEFLUORIDATION
SEE HALOGENATION, FLUORIDATION-DEFLUORIDATION

FLUORIDE INGESTED
SEE DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE INGESTED

FLUORIDE TREATMENTS (TOPICAL)
SEE DENTAL DISORDERS CHEMOTHERAPY, FLUORIDE TREATMENTS (TOPICAL)

FLUORIDES
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

FLUORINE (COMPOUNDS)
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

FLUOROCARBON POLYMERS
SEE PLASTICS, FLUOROCARBON POLYMERS

FLUOROSIS
SEE HALOGEN POISONING, FLUOROSIS

FLUPHENAZINE
SEE PHENOTHIAZINES, FLUPHENAZINE

FOAMING AGENTS
SEE PHYSICAL PROPERTIES, SURFACTANTS

FOLLICLE STIMULATING HORMONE-RELEASE INHIBITING FACTOR
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

FOLLILIBERIN
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

FOLLOW-UP STUDY
SEE POPULATION STUDIES HUMAN, LONGITUDINAL STUDY

FOLLOW-UP STUDY, ANIMAL
SEE POPULATION STUDIES ANIMAL, LONGITUDINAL STUDY

FOOD
SEE ALSO GROWTH MEDIA
SEE ALSO NUTRITION (GENERAL)
R01DE-05253-07 Measurements of enamel permeability as related to caries (human)

FOOD, ANIMAL FEEDS
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)

FOOD, INFANT FOODS
P01DE-01850-23 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)

FOOD, SEAFOOD
R01DE-06519-02 Dental amalgams contribution to blood mercury levels

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

(contd)

FOOD, SWEETENING AGENTS
** R01DE-05476-06 Novel peptide derived sweeteners
** R03DE-07560-01 Evaluation of natural sweeteners with mongolian gerbils

FOOD ANALYSIS (CHEMICAL CONSTITUENTS)
SEE NUTRITION, DIETARY CONSTITUENTS (GENERAL)

FOOD CONSTITUENTS
SEE NUTRITION, DIETARY CONSTITUENTS (GENERAL)

FOOD REQUIREMENTS DIETARY
SEE NUTRITIONAL REQUIREMENTS

FOODS AND CANCER (NUTRIENT THERAPY)
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

FOODS INTERACTION WITH PHYSICAL OR CHEMICAL AGENTS
SEE NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION

FORGETTING
SEE PSYCHOLOGY, LEARNING, MEMORY

FRACTURES
SEE INJURIES, FRACTURES

FREE RADICALS
SEE ELECTRONIC SPECTRA, FREE RADICALS

FREQUENCY INTERVAL OF STIMULUS
SEE STIMULUS INTERVAL

BETA-FRUCTOFURANOSIDASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

FRUCTOSE
SEE HEXOSES, FRUCTOSE

FUNCTION, BODILY ORGANS
SEE MUSCLE FUNCTION
SEE PANCREATIC ISLETS FUNCTION
SEE RESPIRATORY FUNCTION

FUNCTIONAL GROUPS (CHEMISTRY)
SEE CHEMICAL REACTION SITES, FUNCTIONAL GROUPS

FUNGAL METABOLISM
SEE MICROORGANISMS METABOLISM

FUNGI, YEASTS, CANDIDA*
SEE ALSO MYCOSES, MONILIASIS
** R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis

FUNGI, YEASTS, CANDIDA ALBICANS*
R23DE-06524-03 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis
R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)
R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)
R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)

FUNGICIDES
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIFUNGAL

FUSION FAILURES, CONGENITAL
SEE CONGENITAL ABNORMALITIES, FUSION FAILURES

FUSOBACTERIA
SEE BACTERIA, BACTEROIDACEAE, FUSOBACTERIA*

GALACTOSE
SEE HEXOSES, GALACTOSE

GALACTOSIDES
SEE HEXOSES, GALACTOSIDES

GALLBLADDER EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

GAMMA GLOBULINS 7S
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN G

GAMMA GLOBULINS 19S
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M

GANGLIA NERVOUS SYSTEM
SEE NERVOUS SYSTEM, GANGLIA

GAP JUNCTIONS
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

GAS TRANSPORT, HYDROGEN
SEE CHEMICAL TRANSFER, HYDROGEN TRANSPORT

GASTRIC EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

GASTROCNEMIUS MUSCLE
SEE MUSCLES, GASTROCNEMIUS MUSCLE

GASTROINTESTINAL ABSORPTION-TRANSPORT
SEE GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)

GASTROINTESTINAL AGENTS, DIGESTANTS (GENERAL)
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)

GASTROINTESTINAL DISORDERS, ESOPHAGEAL DISORDERS (GENERAL)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

GASTROINTESTINAL DISORDERS, INFLAMMATORY BOWEL DISEASE
** R01DE-06989-02 Neutrophil function in periodontal disease (human)

GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT (GENERAL)
R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)
R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06429-05 Influence of acid-base status on fluoride metabolism (mammals)
** R03DE-07439-01 In vitro studies of intestinal fluoride absorption (dogs)
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DIETARY NUTRIENTS
** P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)

GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DRUGS
** P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)

GASTROINTESTINAL FUNCTION, DEGLUTITION
R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)
** R01DE-05738-06 Mastication, food transport, and swallowing in primates (cats, monkeys)
R01DE-06638-03 Complete denture service psychophysiological criteria
R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ
R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)

GASTROINTESTINAL SYSTEM, EPITHELIUM
** R01DE-06730-03 Dental implant surfaces impeding epithelial migration (rats)

GASTROINTESTINAL SYSTEM, INTESTINES, MUCOSA
SEE ALSO GASTROINTESTINAL SYSTEM, EPITHELIUM
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)
R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

GASTROINTESTINAL SYSTEM, INTESTINES, SMALL INTESTINE
R03DE-07439-01 In vitro studies of intestinal fluoride absorption (dogs)

GELATIN
SEE FIBROUS PROTEINS, GELATIN

GELS
SEE PHYSICAL PROPERTIES, COLLOIDS, GELS

GENE CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

GENE EXPRESSION
SEE GENETICS, GENES, GENE EXPRESSION

GENE INSERTION INTO FOREIGN HOSTS
SEE GENETIC MANIPULATION

GENE INTERACTION
SEE GENETICS, GENES, GENE INTERACTION

GENE MUTATION
SEE GENETICS, MUTATION, GENE MUTATION

GENE SPLICING (GENETIC MANIPULATION)
SEE GENETIC MANIPULATION

GENERAL ADAPTATION SYNDROME
SEE STRESS

GENERAL MEDICINE A STUDY SECTION
** R01DE-04660-11 Keratohyalin in keratinization--Oral mucosa and skin (human)

GENERAL MEDICINE B STUDY SECTION
** R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
** R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
** R01DE-07431-09 Ultrastructual studies of mineralized tissue (chicks, rats)
** R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

GENES
SEE GENETICS, GENES

GENES CONTROLLING HISTOCOMPATIBILITY ANTIGENS (ISOALLOANTIGENS)
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

GENETIC-ASSOCIATED DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES

GENETIC CODING
SEE GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING

GENETIC COUNSELING
SEE GENETIC DISORDERS, GENETIC COUNSELING

GENETIC DETERMINED DIABETES IN ANIMALS
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES

GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO DISEASE PRONENESS-RISK
SEE ALSO GENETICS, MUTATION
SEE ALSO GENETICS, RADIATION GENETICS
SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, SEX DIFFERENTIATION DISORDERS
** R01DE-07204-02 Family studies of early onset periodontitis (human)
** R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

GENETIC DISORDERS, AUTOSOMAL RECESSIVE CONDITIONS
SEE ALSO METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS
P50DE-02600-20 0047 Support for oral biology research center - Genetic aspects of periodontal diseases
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
R01DE-07499-01 Quantitative study of the face in ectodermal dysplasia

GENETIC DISORDERS, CHROMOSOME ABNORMALITIES
SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, SEX DIFFERENTIATION DISORDERS
R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)

GENETIC DISORDERS, GENETIC COUNSELING
R01DE-06069-04 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-07360-01 Oral-facial clefts in China a family study

GENETIC DISORDERS DIAGNOSIS*
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
** R01DE-07499-01 Quantitative study of the face in ectodermal dysplasia

GENETIC LIBRARIES
SEE GENETICS, GENETIC LIBRARIES

GENETIC MANIPULATION
SEE ALSO BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION
SEE ALSO GENETICS, BIOCHEMICAL GENETICS
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING
M P50DE-02600-20 Support for oral biology research center
P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
M P50DE-02623-19 Center for oral health research
M P50DE-02668-20 Regional dental research center
R01DE-03606-17 Morphogenesis of bacteriophage Phi-29
R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
** R43DE-07823-01 Microbial production of protein adhesive (mussels)
** R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

GENETIC MAPPING
SEE ALSO NUCLEIC ACIDS, DNA PROBE
** R01DE-03606-17 Morphogenesis of bacteriophage Phi-29

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
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P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

GENETIC MAPPING, GENETIC MARKERS
R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06848-03 Androgen control of salivary gland EGF in cleft palate (mice)
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

GENETIC MAPPING, LINKAGE
R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
R01DE-07204-02 Family studies of early onset periodontitis (human)
R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

GENETIC MARKERS
SEE GENETIC MAPPING, GENETIC MARKERS

GENETIC MODELS
SEE MODELS, GENETIC MODELS

GENETIC REGULATION
SEE GENETICS, GENETIC REGULATION

GENETIC STRAINS
SEE BIOLOGY, SYSTEMATIC, GENETIC STRAINS

GENETICS
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES
SEE ALSO CELL DIVISION
SEE ALSO IMMUNOGENETICS (GENERAL)
SEE ALSO MAMMALIAN GENETICS STUDY SECTION
SEE ALSO MODELS, GENETIC MODELS
SEE ALSO NEOPLASMS GENETICS
SEE ALSO NUCLEIC ACIDS REPAIR
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
** R03DE-07553-01 Family data for dental multifactorial genetic research

GENETICS, BIOCHEMICAL GENETICS
SEE ALSO GENETICS, GENES, GENE EXPRESSION
SEE ALSO GENETICS, GENETIC REGULATION
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
** P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
** P01DE-02848-16 0012 Biology of connective tissue, bones, and teeth - Molecular genetics of dentine (mice)
P01DE-02848-16 0013 Biology of connective tissue, bones, and teeth - Extra cellular matrix influences of epithelial gene expression--Cementogenesis
** R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
** R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)

GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
SEE ALSO PROTEINS BIOSYNTHESIS
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
** R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
R43DE-07707-01 Anti-calculus agents
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING
SEE ALSO NUCLEIC ACIDS, DNA PROBE
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** R43DE-07823-01 Microbial production of protein adhesive (mussels)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)
R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

GENETICS, CHROMOSOME COMPLEMENT
R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)

GENETICS, CHROMOSOME COMPLEMENT, GENOME
R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)

GENETICS, CHROMOSOMES
SEE ALSO IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, SEX DIFFERENTIATION DISORDERS
P50DE-02670-20 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)

GENETICS, CHROMOSOMES, CHROMATIN
R01DE-06622-03 Molecular mechanisms of periodontal disease

GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE ALSO CELL DIVISION
SEE ALSO NUCLEIC ACIDS SYNTHESIS, DNA
R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)

GENETICS, CYTOGENETICS
SEE ALSO CELL DIVISION, MITOSIS
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R01DE-07637-01 Differentiation and growth of salivary glands (mice)

GENETICS, DEVELOPMENTAL GENETICS
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)
SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
** P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
** R01DE-07360-01 Oral-facial clefts in China a family study
** R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
R01DE-07637-01 Differentiation and growth of salivary glands (mice)
** R03DE-07852-01 TCDD alteration in gene expression and cleft palate (mice)

GENETICS, EXTRACHROMOSOMAL INHERITANCE
R03DE-07428-01 Twin half-sibs--A new genetic model for dental traits

GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS
P50DE-02670-20 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
** P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory
** R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans

GENETICS, GENES
SEE ALSO IMMUNOGENETICS, HISTOCOMPATIBILITY GENES
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
** P50DE-02623-19 0036 Center for oral health research - Enamel proteins and their genes

GENETICS, GENES, GENE EXPRESSION
** P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-19 0035 Center for oral health research - Cellular aspects of the muring IgA response
P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
P01DE-02848-16 0012 Biology of connective tissue, bones, and teeth - Molecular genetics of dentine (mice)
** P01DE-02848-16 0013 Biology of connective tissue, bones, and teeth - Extra cellular matrix influences of epithelial gene expression--Cementogenesis
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-03606-17 Morphogenesis of bacteriophage Phi-29
P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
** R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
** R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
** R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
R01DE-06860-03 Complement monocyte interactions in periodontal disease
R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)
R01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
** R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
R23DE-07489-01 Pathogenesis of osteopetro-rickets in the toothless rat
R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)
R01DE-07499-01 Quantitative study of the face in ectodermal dysplasia
R03DE-07553-01 Family data for dental multifactorial genetic research
** R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
** R01DE-07637-01 Differentiation and growth of salivary glands (mice)
R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)
** R03DE-07852-01 TCDD alteration in gene expression and cleft palate (mice)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)
R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

GENETICS, GENES, GENE INTERACTION
** R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)

GENETICS, GENES, ONCOGENES
** R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
** R01DE-07207-01 Molecular mechanism of oral carcinogenesis (hamsters)
** R01DE-07637-01 Differentiation and growth of salivary glands (mice)
** R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)
** R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

GENETICS, GENES, OPERON, STRUCTURAL GENE
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)

GENETICS, GENETIC LIBRARIES
R01DE-04971-08 Salivary mucins and dental diseases (human)

(cont'd)

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**Oriented significantly to above subject

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See Appendix for investigator's name and Grant Number

** P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)

GENETICS, GENETIC REGULATION
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
** R03DE-07851-01 Amylase regulation in human salivary glands

GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
R01DE-03606-17 Morphogenesis of bacteriophage Phi-29
R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
** R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
R01DE-07637-01 Differentiation and growth of salivary glands (mice)
R03DE-07851-01 Amylase regulation in human salivary glands
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
P50DE-02623-19 0036 Center for oral health research - Enamel proteins and their genes
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
R01DE-07943-01 Herpes virus sequences that inhibit gene transfection
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

GENETICS, GENOTYPES, HETEROZYGOTES
SEE ALSO GENETIC DISORDERS, AUTOSOMAL RECESSIVE CONDITIONS
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
R01DE-07499-01 Quantitative study of the face in ectodermal dysplasia

GENETICS, MICROBIAL
SEE ALSO GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE ALSO NUCLEIC ACIDS, DNA BACTERIAL
SEE ALSO NUCLEIC ACIDS, DNA VIRAL
** P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
** R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
** R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
** P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans
R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

GENETICS, MICROBIAL, BACTERIAL
SEE ALSO GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS
SEE ALSO NUCLEIC ACIDS, DNA BACTERIAL
** P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory
** R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
** R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-04529-10 Replacement therapy of dental caries (rats)
** R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci
R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)

GENETICS, MICROBIAL, TRANSFORMATION MICROBIAL
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity

GENETICS, MICROBIAL, VIRAL
SEE ALSO GENETICS, GENES, ONCOGENES
SEE ALSO NUCLEIC ACIDS, DNA VIRAL
R01DE-03606-17 Morphogenesis of bacteriophage Phi-29
** R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

GENETICS, MUTAGENS
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO GENETICS, RADIATION GENETICS
** R23DE-07796-01 Identification of mutagens in smokeless tobacco

GENETICS, MUTATION
R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R23DE-07489-01 Pathogenesis of osteopetro-rickets in the toothless rat

GENETICS, MUTATION, GENE MUTATION
P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

GENETICS, MUTATION, MUTANTS*
SEE ALSO BIOLOGY, SYSTEMATIC, GENETIC STRAINS
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-04529-10 Replacement therapy of dental caries (rats)
R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
P50DE-07003-03 0001 Rochester caries research center - Implantable ammonia-producing Streptococci (rats)
R03DE-07591-01 Mast cells in periodontal inflammation (mice)

GENETICS, POPULATION GENETICS, INBREEDING
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function

GENETICS, POPULATION GENETICS ANIMAL
R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

GENETICS, POPULATION GENETICS HUMAN
SEE ALSO GENETIC DISORDERS, GENETIC COUNSELING
R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
** R01DE-06069-04 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
** R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
** P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** R01DE-07360-01 Oral-facial clefts in China a family study

GENETICS, RADIATION GENETICS
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

GENETICS, RECOMBINATION
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE ALSO BIOLOGY, POLYMORPHISM
SEE ALSO VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES
** R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-06622-03 Molecular mechanisms of periodontal disease

GENETICS, SOMATIC CELL AND TRANSFORMATION, TRANSFECTION
** R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

GENETICS AND DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, GENETICS AND DIABETES

GENETICS OF CANCER (NEOPLASMS)
SEE NEOPLASMS GENETICS

GENOME
SEE GENETICS, CHROMOSOME COMPLEMENT, GENOME

GENOMIC LIBRARIES
SEE GENETICS, GENETIC LIBRARIES

GEOGRAPHICAL SITES, N. AMERICA, CANADA
** R03DE-07841-01 The prevalence of symptoms of T M disorders (human)

GEOGRAPHICAL SITES, UNITED STATES
P01DE-01850-23 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults

GERIATRICS
SEE AGING

GERM-FREE
SEE COMMUNICABLE DISEASE CONTROL, GERM-FREE

GERMICIDES, THERAPEUTIC
SEE COMMUNICABLE DISEASE CONTROL AGENTS

GERONTOLOGY
SEE AGING

GESTATIONAL AGE (INTERIOR GESTATION)
SEE PREGNANCY, EMBRYO-FETUS, GESTATIONAL AGE

GIGANTISM
SEE SKELETAL DISORDERS, BONE DEVELOPMENT, GIGANTISM

GINGIVA
SEE DENTAL STRUCTURE, GINGIVA

GINGIVAL CURETTAGE
SEE DENTISTRY, SUBGINGIVAL CURETTAGE

GINGIVAL DISORDERS
SEE DENTAL DISORDERS, GINGIVAL

GINGIVAL HYPERPLASIA
SEE DENTAL DISORDERS, GINGIVAL HYPERPLASIA

GINGIVAL SULCUS
SEE DENTAL STRUCTURE, GINGIVA, GINGIVAL SULCUS

GINGIVITIS
SEE DENTAL DISORDERS, GINGIVITIS

GLANDS
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS
SEE TISSUE, EXOCRINE GLANDS (GENERAL)

GLASS
SEE PHYSICAL PROPERTIES, SOLID STATE, AMORPHOUS SOLIDS
SEE SILICATES, GLASS

GLASS STATE
SEE PHYSICAL PROPERTIES, SOLID STATE, AMORPHOUS SOLIDS

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
SEE ALSO IMMUNOLOGY, ANTIBODIES
** P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
P50DE-07009-03 0004 Specialized caries research centers - Immunological aspects of root caries (human)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN A
SEE ALSO IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** P50DE-02623-19 0035 Center for oral health research - Cellular aspects of the murine IgA response
** P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
** P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-06153-05 Antibody to glucosyltransferase in adults and children
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** R01DE-07257-03 IgA protease and dental caries
** R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
** R03DE-07587-01 Antibody responses to IgA1 and IgG protease

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN D
P5CDE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN E
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN G
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-05690-05 Localization of the procollagens in dental tissues (rats, mice, rabbits)
R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-06740-03 Human antibody responsiveness and dental caries
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
** R03DE-07587-01 Antibody responses to IgA1 and IgG protease
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M
P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
R01DE-05626-06 Role of complement in periodontal disease

GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
SEE ALSO IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans

GLUCANS
SEE HEXOSANS, GLUCANS

GLUCOCORTICOIDS
SEE ADRENAL CORTEX HORMONES, GLUCOCORTICOIDS

ALPHA-D-GLUCOPYRANOSYL-BETA-D-FRUCTOFURANOSIDE
SEE DISACCHARIDES, SUCROSE

GLUCOSAMINOGLYCANS
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

GLUCOSE
SEE HEXOSES, GLUCOSE

D-GLUCOSE
SEE HEXOSES, GLUCOSE

GLUCOSE METABOLISM
SEE CARBOHYDRATES METABOLISM, GLUCOSE METABOLISM

GLUCOSE TOLERANCE
SEE CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE

GLUCOSE TRANSPORT
SEE CARBOHYDRATES TRANSPORT, GLUCOSE TRANSPORT

GLUCOSIDES
SEE CARBOHYDRATES, GLYCOSIDES

BETA-GLUCURONIDASE
SEE CARBOHYDRASES, BETA-GLUCURONIDASE

GLUCURONOSYLTRANSFERASES
SEE GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES

GLUES
SEE CONSUMER PRODUCTS, GLUES AND ADHESIVES

GLUTAMATES
SEE DICARBOXYLIC AMINO ACIDS, GLUTAMATES

GLUTAMYL PEPTIDES
SEE PEPTIDES, HOMOPEPTIDES, GLUTAMYL

GLUTAMYL TRANSPEPTIDASE
SEE PROTEASES AND PEPTIDASES, GLUTAMYL TRANSPEPTIDASE

GLYCEROPHOSPHATES
SEE TRIOSE ALCOHOLS, GLYCEROPHOSPHATES

GLYCERYL PHOSPHATES
SEE TRIOSE ALCOHOLS, GLYCEROPHOSPHATES

GLYCINEMIA
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA

GLYCOGEN
SEE HEXOSANS, GLUCANS, GLYCOGEN

GLYCOGENESIS
SEE CARBOHYDRATES BIOSYNTHESIS

GLYCOLIPIDS
SEE ALSO PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHOINOSITIDES
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

GLYCOLIPOPEPTIDES
SEE ALSO POLYSACCHARIDES, LIPOPOLYSACCHARIDES
R01DE-06945-04 Characterization of microbial lectins

GLYCOLYSIS
SEE HEXOSES, GLYCOLYSIS

GLYCOPHORIN
SEE GLYCOPROTEINS

GLYCOPROTEIN G VIRAL
SEE PROTEINS, VIRAL (GENERAL)

GLYCOPROTEINS
SEE ALSO ALBUMINS, AVIDIN
SEE ALSO CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
SEE ALSO GLYCOLIPOPEPTIDES
SEE ALSO METALLOPROTEINS, LACTOFERRIN
SEE ALSO MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), TUBULIN
SEE ALSO PROTEOGLYCANS
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
** P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans
** P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R37DE-03187-15 Transport in enamel and solubility of enamel (human)
R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04230-11 Comparative ultrastructure of mammalian amelogenesis (cats)
R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
R01DE-04971-08 Salivary mucins and dental diseases (human)
R01DE-05092-08 Proteins involved in dentinogenesis
** R01DE-05251-07 Salivary gland secretory mechanisms (rats)
R01DE-05429-07 Adherence of periodontal disease-associated bacteria
** R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06945-04 Characterization of microbial lectins
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-06989-02 Neutrophil function in periodontal disease (human)
P50DE-07003-03 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)
R01DE-07760-01 Conformation of dental salivary molecules (human)
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)
R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

GLYCOPROTEINS, FIBRONECTIN
** R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
R01DE-06026-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R03DE-07014-02 Human PDL cell attachment to root surfaces
R23DE-07075-02 Tissue interactions in root development (mice)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
R03DE-07298-01 Low molecular weight salivary agglutinins
R23DE-07673-01 Role of osteogenic growth factor in bone healing (rabbits, rats)

GLYCOPROTEINS, LAMININ
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R23DE-07075-02 Tissue interactions in root development (mice)

GLYCOPROTEINS BIOSYNTHESIS
P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
** R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

GLYCOSAMINOGLYCANS
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

GLYCOSIDASES
SEE CARBOHYDRASES

GLYCOSIDE HYDROLASES
SEE CARBOHYDRASES

GLYCOSIDES
SEE CARBOHYDRATES, GLYCOSIDES

GLYCOSYLATION
SEE CHEMICAL REACTIONS, GLYCOSYLATION

GLYCOSYLTRANSFERASES
P50DE-02670-20 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
P50DE-02670-20 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
** R01DE-03739-14 Glycosyltransferases from oral bacteria
R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis

GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES
** P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans

GLYCOSYLTRANSFERASES, PURINE NUCLEOSIDE PHOSPHORYLASE
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program

GLYCOSYLTRANSFERASES, UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE
** R01DE-06153-05 Antibody to glucosyltransferase in adults and children

GMP CYCLIC
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC

GNOTOBIOTICS
SEE COMMUNICABLE DISEASE CONTROL, GERM-FREE

GOLD
SEE METALS, HEAVY METALS, GOLD (COMPOUNDS)

GORETEX
SEE PLASTICS, FLUOROCARBON POLYMERS

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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GPL-A LOCUS (GUINEA PIG)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

GRAFT VERSUS HOST REACTION GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

GRAFT VERSUS HOST REACTIONS
SEE TISSUE COMPATIBILITY-TRANSPLANT, GRAFT VERSUS HOST REACTIONS

GRAFTS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION

GRAM-NEGATIVE ANAEROBIC BACTERIA
SEE BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*

GRAM-NEGATIVE ANAEROBIC COCCI
SEE BACTERIA, NEISSERIACEAE, VEILLONELLA*

GRAM-NEGATIVE BACTERIA
SEE BACTERIA, GRAM-NEGATIVE*

GRAM-NEGATIVE FACULTATIVELY ANAEROBIC RODS
SEE BACTERIA, BRUCELLACEAE, HEMOPHILUS*
SEE BACTERIA, GRAM-NEGATIVE, ACTINOBACILLUS
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

GRAM-POSITIVE BACTERIA
SEE BACTERIA, GRAM-POSITIVE*

GRAM-POSITIVE COCCI
SEE BACTERIA, METHANOBACTERIACEAE*

GRANULOCYTE-MEDIATED TUMOR CELL CYTOTOXICITY
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

GRANULOCYTES (GENERAL)
SEE BLOOD CELLS, LEUKOCYTES, GRANULOCYTES (GENERAL)

GROUND CYTOPLASM
SEE CELL COMPONENTS, CYTOPLASM

GROUND SUBSTANCE (CELL)
SEE CELL COMPONENTS, CYTOPLASM

GROUND SUBSTANCE (EXTRACELLULAR)
SEE CELL COMPONENTS, EXTRACELLULAR MATRIX

GROUP COUNSELING (PSYCHOLOGY)
SEE MENTAL HEALTH SERVICES, COUNSELING, GROUP

GROWTH ABNORMAL, HYPERPLASIA (GENERAL)
SEE ALSO DENTAL DISORDERS, GINGIVAL HYPERPLASIA
SEE ALSO NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE
SEE ALSO ORAL-PHARYNGEAL HYPERPLASIA
R01DE-07637-01 Differentiation and growth of salivary glands (mice)

GROWTH ABNORMAL, HYPERTROPHY
R01DE-07637-01 Differentiation and growth of salivary glands (mice)

GROWTH AND DEVELOPMENT
SEE ALSO BODY PHYSICAL CHARACTERISTICS, BODY WEIGHT
SEE ALSO CELL DIVISION
SEE ALSO CELL GROWTH REGULATION
SEE ALSO CHILD DEVELOPMENT (NON-PSYCHOLOGICAL)
SEE ALSO CHILD MENTAL DEVELOPMENT
SEE ALSO GENETICS, DEVELOPMENTAL GENETICS
SEE ALSO GROWTH MICROORGANISMS
SEE ALSO NUTRITION, DEVELOPMENTAL NUTRITION
SEE ALSO POPULATION STUDIES CELL
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
P01DE-02848-16 0013 Biology of connective tissue, bones, and teeth - Extra cellular matrix influences of epithelial gene expression--Cementogenesis
M P01DE-03610-20 Craniofacial growth and development
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
** R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-04940-08 Muscular disorders in craniofacial malformations (human)
** R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-05232-08 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05632-06 Development of salivary gland secretory function (rats)
** R01DE-05905-05 Neural organization of complex muscles (swine)
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
** R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R23DE-07182-02 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
** R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)
** R01DE-07332-02 Analysis of utility of implants in craniofacial research
** R03DE-07597-01 Craniofacial growth in giant transgenic mice
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

GROWTH AND DEVELOPMENT, HISTOGENESIS
SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO CELL DIFFERENTIATION
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO CONNECTIVE TISSUE DEVELOPMENT
SEE ALSO DENTAL DEVELOPMENT
SEE ALSO NEUROLOGY, DEVELOPMENTAL, NEUROGENESIS
SEE ALSO PITUITARY GLAND DISORDERS, ACROMEGALY
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT
SEE ALSO SKELETAL SYSTEM, CARTILAGE DEVELOPMENT
P01DE-01697-24 0044 Developmental research in cleft palate - Archive of normal and cleft palate fetal histology
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
M P01DE-02848-16 Biology of connective tissue, bones, and teeth
R01DE-03606-17 Morphogenesis of bacteriophage Phi-29
** R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
** R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
** R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
R23DE-07190-02 Craniofacial ossification during anuran metamorphosis
** R01DE-07637-01 Differentiation and growth of salivary glands (mice)
** R01DE-07674-01 Analysis of primary palate formation (chick embryos)

GROWTH AND DEVELOPMENT, KERATINIZATION
SEE ALSO SKIN, KERATINOCYTES
P50DE-02731-20 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04660-11 Keratohyalin in keratinization--Oral mucosa and skin (human)
** R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)

GROWTH AND DEVELOPMENT, METAMORPHOSIS
R01DE-07620-02 Neural aspects of craniofacial morphogenesis (frogs)

GROWTH AND DEVELOPMENT, REGENERATION
SEE ALSO INJURIES, WOUND HEALING
SEE ALSO NERVOUS SYSTEM REGENERATION
SEE ALSO SKELETAL SYSTEM REGENERATION
SEE ALSO SKELETAL SYSTEM REGENERATION, BONE REGENERATION
** P50DE-02731-20 0033 Development support for dental research institute - Epidemiology laboratory (human)
** R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05395-07 Stem cells in oral mucosa (mice)
** R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
** R01DE-06250-04 Histologic evaluation of new attachments in humans
** R23DE-06766-03 Surgical regeneration of the periodontium (dogs)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
** R01DE-07512-01 Regeneration of the periodontium--An in vitro study
M P01DE-07687-05 Regeneration and transplantation of skeletal muscle
** R03DE-07736-01 Periodontal healing adjacent to artificial surfaces (dogs, monkeys)

GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)
SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
** R01DE-06424-02 Development of oral tissues after early undernutrition (human)
R03DE-07419-01 Growth hormone--Craniofacial malformations, sleep apnea (human)

GROWTH DISORDERS PRENATAL
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

GROWTH FACTORS (INCL. ANABOLICS)
SEE ALSO GROWTH HORMONES VERTEBRATE (INCL. ANABOLICS)
** R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)

GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS
** P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
** R01DE-06848-03 Androgen control of salivary gland EGF in cleft palate (mice)
** R01DE-06955-03 Epidermal growth factor and tooth development (mice)
R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)

GROWTH FACTORS (INCL. ANABOLICS), FIBROBLAST GROWTH FACTOR
R01DE-03301-16 Connective tissues of the periodontium (human, dog)

GROWTH FACTORS (INCL. ANABOLICS), PLATELET DERIVED GROWTH FACTOR
R01DE-03301-16 Connective tissues of the periodontium (human, dog)
** R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
** R03DE-07733-01 Generation of antiserum to PDGF synthetic peptides (rabbits)
** R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS
R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)

GROWTH HORMONE-RELEASE INHIBITING FACTOR (GIF)
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

GROWTH HORMONES INVERTEBRATE
SEE ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES

GROWTH HORMONES VERTEBRATE (INCL. ANABOLICS)
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN
R03DE-07597-01 Craniofacial growth in giant transgenic mice

GROWTH HORMONES VERTEBRATE, SOMATOMEDIN (SULFATION FACTOR)(THYMIDINE FACTOR)
R03DE-07419-01 Growth hormone--Craniofacial malformations, sleep apnea (human)
** R23DE-07679-01 Role of osteogenic growth factor in bone healing (rabbits, rats)

GROWTH INHIBITORS
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
R01DE-07168-03 Membrane function during germination of Candida albicans (mice)

GROWTH MEDIA
R01DE-06030-05 Metronidazole therapy in periodontal disease (human)
R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
R03DE-07565-01 Ecological competition among oral streps

GROWTH MICROORGANISMS
** P50DE-02600-20 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
P50DE-02731-20 0034 Development support for dental research institute - Microbial biochemistry laboratory
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

GROWTH MICROORGANISMS, MICROBIAL CULTURE
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
R01DE-03487-15 Inhibition of human cariogenic streptococci
R01DE-03488-15 Microbial composition of developing dental plaque (human, bacteria)
P50DE-04881-10 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
R01DE-06030-05 Metronidazole therapy in periodontal disease (human)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
R03DE-07565-01 Ecological competition among oral streps

GROWTH REGULATION, CELLULAR
SEE CELL GROWTH REGULATION

GROWTH RETARDATION INTRAUTERINE
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

GROWTH RETARDATION POSTNATAL
SEE GROWTH DISORDERS POSTNATAL (SEE ALSO APPROPRIATE SPECIFICS)

GTP
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GTP

GUANIDINES, BIGUANIDES, CHLORHEXIDINE
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
** R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)

GUANIDINOSUCCINIC ACID
SEE AMINO ACIDS

GUANINE NUCLEOTIDES
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES

GUANOSINE
SEE PURINE NUCLEOSIDES, GUANINE NUCLEOSIDES, GUANOSINE

GUANOSINE MONOPHOSPHATE CYCLIC
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC

GUANOSINE TRIPHOSPHATE
SEE PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GTP

GUANYLATE CYCLASE
SEE NUCLEOTIDYL-CYCLASES, GUANYLATE CYCLASE

GUINEA PIGS
SEE MAMMALS, RODENTS, HYSTRICOMORPHA, GUINEA PIGS*

GUINEA PIGS, R9
SEE MAMMALS, RODENTS, HYSTRICOMORPHA, GUINEA PIGS*

GUT LYMPHOID TISSUE DEPENDENT IMMUNITY
SEE IMMUNITY, HUMORAL IMMUNITY

H ANTIGENS (HISTOCOMPATIBILITY)
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H-2 LOCUS (MOUSE)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

H-2D ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H-2G ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H-2K ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

H2-D GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

H2-G GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

H2-K GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

H2-S GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

HA ANTIGEN
SEE IMMUNOLOGY, ANTIGENS VIRAL, HEPATITIS B ANTIGEN (HBAG)

HAA ANTIGEN
SEE IMMUNOLOGY, ANTIGENS VIRAL, HEPATITIS B ANTIGEN (HBAG)

HALIDES
SEE HALOGENS (AND HALO COMPOUNDS), GENERAL

HALISTERESIS
SEE SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

HALO COMPOUNDS
SEE HALOGENS (AND HALO COMPOUNDS), GENERAL

HALOACIDS, HYDROGEN FLUORIDE
R03DE-07439-01 In vitro studies of intestinal fluoride absorption (dogs)

HALOALKYLAMINES, CYCLOPHOSPHAMIDE
R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)

HALOGEN POISONING, FLUOROSIS
SEE ALSO DENTAL DISCOLORATION, DENTAL MOTTLING
** R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
R01DE-07623-01 Mechanisms for enamel mineralization (mammals)

HALOGENATION, FLUORIDATION-DEFLUORIDATION
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
** R23DE-06562-03 Fluoridation effects on dental demand (human)
** R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)

HALOGENS (AND HALO COMPOUNDS), GENERAL
R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

HALOGENS, CHLORINE (COMPOUNDS) SEE ALSO SPECIFICS
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
R01DE-06996-02 Biological molecules in the corrosion of dental alloys

HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS
M P01DE-01850-23 Nutritional sources and metabolic roles of fluoride
** P01DE-01850-23 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
** P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
** P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** P01DE-01850-23 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
** P01DE-01850-23 0092 Nutritional sources and metabolic roles of fluoride - Forms of fluoride in plaque (humans, rats)
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-03223-16 Kinetics of mineralization of teeth (human)
** R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
** R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)
** R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06429-05 Influence of acid-base status on fluoride metabolism (mammals)
R01DE-06569-05 Quantitation of enamel demineralization mechanisms
R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06761-03 Prevention of surface zone limited caries of enamel
R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)
P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)
R03DE-07729-01 Biopsy technique for studying experimental enamel lesion (cattle)
** R03DE-07855-01 Public knowledge and opinion--Fluorides/fluoridation (human)
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
R01DE-06761-03 Prevention of surface zone limited caries of enamel

HAMSTERS
SEE MAMMALS, RODENTS, MYOMORPHA, HAMSTERS*

HAMSTERS, ALBINO
SEE MAMMALS, RODENTS, MYOMORPHA, HAMSTERS*

HAMSTERS, CHINESE
SEE MAMMALS, RODENTS, MYOMORPHA, HAMSTERS*

HAMSTERS, GOLDEN
SEE MAMMALS, RODENTS, MYOMORPHA, HAMSTERS*

HAMSTERS, SYRIAN
SEE MAMMALS, RODENTS, MYOMORPHA, HAMSTERS*

HAMSTERS, SYRIAN GOLDEN
SEE MAMMALS, RODENTS, MYOMORPHA, HAMSTERS*

HAMSTERS, WHITE
SEE MAMMALS, RODENTS, MYOMORPHA, HAMSTERS*

HANDICAPPED CHILDREN
SEE CHILDREN, HANDICAPPED CHILDREN

HAPTENS
SEE IMMUNOLOGY, HAPTENS

HARDNESS, SOLID STATE
SEE PHYSICAL PROPERTIES, SOLID STATE, HARDNESS

HARDWARE, COMPUTERS
SEE COMPUTER, DESIGN AND EVALUATION OF COMPUTERS (INCL. HARDWARE)

HARE LIP
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP

HAZARDS, OCCUPATIONAL
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS

HAZARDS OF MEDICAL EQUIPMENT
SEE BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY

HEAD
SEE BODY REGIONS, HEAD

HEAD AND NECK NEOPLASMS
SEE NEOPLASMS OF BODY REGIONS, HEAD AND NECK

HEAD MEASUREMENTS
SEE BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY

HEADACHE
SEE NEUROLOGIC MANIFESTATIONS, HEADACHE

HEALING
SEE INJURIES, WOUND HEALING

HEALTH (ALSO PHYSICAL ACTIVITY)
SEE ALSO DENTAL HEALTH (ORAL HEALTH)
SEE ALSO DISEASES (SYMPTOMS AND GENERAL PATHOLOGY) --SEE ALSO SPECIFIC BODY SYSTEM DISEASES AND
SEE ALSO MENTAL HEALTH
SEE ALSO POPULATION STUDIES HUMAN, MORBIDITY
SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)

HEALTH, DISEASE PREVENTION AND CONTROL
SEE ALSO COMMUNICABLE DISEASE CONTROL
SEE ALSO DENTISTRY, PREVENTIVE
SEE ALSO DIAGNOSTIC SERVICES, MASS SCREENING
SEE ALSO DIAGNOSTIC TESTS, EARLY DIAGNOSIS*
SEE ALSO EDUCATION, HEALTH EDUCATION
SEE ALSO EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
SEE ALSO INJURY (HAZARDS) PREVENTION AND CONTROL (GENERAL)
SEE ALSO INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)
SEE ALSO MENTAL DISORDERS PREVENTION
SEE ALSO NEOPLASMS PREVENTION AND CONTROL
SEE ALSO POPULATION STUDIES HUMAN, EPIDEMIOLOGY
R01DE-04385-11 Mechanism of dental caries
** P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
** R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
** R01DE-07360-01 Oral-facial clefts in China a family study
R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)

HEALTH, PHYSICAL ACTIVITY (GENERAL)
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

HEALTH, PHYSICAL ACTIVITY, FATIGUE
P01DE-06946-03 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter

HEALTH, SELF CARE
SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
SEE ALSO PSYCHOLOGY SOCIAL, LOCUS OF CONTROL
** R01DE-06417-03 Factors influencing long-term oral self-care (human)
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)

HEALTH CARE, SELF
SEE HEALTH, SELF CARE

HEALTH CARE COSTS-FINANCING
SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING

HEALTH CARE DELIVERY
SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT

HEALTH CARE FACILITIES, INSTITUTIONAL CARE FACILITIES
R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)

HEALTH CARE FACILITIES, NURSING HOMES
P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly

HEALTH CARE MODELS
SEE MODELS, HEALTH CARE MODELS

HEALTH CARE QUALITY
SEE ALSO DIAGNOSTIC QUALITY-STANDARDS
** R01DE-05761-07 Improved dental instruments and materials
R23DE-06865-03 Child desensitization for dental visits (human)
** R01DE-07718-01 Professional education and patient periodontal health

HEALTH CARE SERVICES, CASE FINDING AND OUTREACH
** R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)

HEALTH CARE SERVICES, HOME CARE
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)

HEALTH CARE SERVICES, LONG TERM CARE
SEE ALSO HEALTH CARE FACILITIES, INSTITUTIONAL CARE FACILITIES
R01DE-07353-01 Increasing orthodontic treatment compliance in children (human)
R01DE-07978-01 Increasing orthodontic treatment compliance in children (human)

HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT
R01DE-07353-01 Increasing orthodontic treatment compliance in children (human)
R01DE-07978-01 Increasing orthodontic treatment compliance in children (human)

HEALTH CARE SERVICES, PHYSICAL THERAPY
** P01DE-06946-03 0003 Pathophysiology of MPD and other facial pain syndromes - Physical therapy for MDP syndrome
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)

HEALTH CARE SERVICES, PHYSICAL THERAPY, ELECTROTHERAPY
P01DE-06946-03 0003 Pathophysiology of MPD and other facial pain syndromes - Physical therapy for MDP syndrome

HEALTH CARE (SERVICES)(RESOURCES) ANALYSIS AND EVALUATION
SEE ALSO HEALTH CARE QUALITY
R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
** R01DE-07718-01 Professional education and patient periodontal health

HEALTH CARE (SERVICES)(RESOURCES)PLANNING, REGIONAL MEDICAL PLANNING
R03DE-07855-01 Public knowledge and opinion--Fluorides/fluoridation (human)

HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION
** R23DE-06562-03 Fluoridation effects on dental demand (human)

HEALTH ECONOMICS
R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)

HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING
R01DE-06638-03 Complete denture service psychophysiological criteria

HEALTH EDUCATION
SEE EDUCATION, HEALTH EDUCATION

HEALTH HAZARDS, ENVIRONMENTAL
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

HEALTH HAZARDS PREVENTION AND CONTROL (GENERAL)
SEE INJURY (HAZARDS) PREVENTION AND CONTROL (GENERAL)

HEALTH INSURANCE, DENTAL
** R23DE-06562-03 Fluoridation effects on dental demand (human)

HEALTH PROMOTION
SEE HEALTH, DISEASE PREVENTION AND CONTROL

HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES
R01DE-07360-01 Oral-facial clefts in China a family study
** R01DE-08112-01 9001 Oral manifestations of the acquired immunodeficiency syndrome - Core--Data flow and management

HEALTH RECORDS
R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)

HEALTH RECORDS, CASE HISTORY
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics

HEALTH RESOURCES-SERVICES UTILIZATION
SEE HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION

HEALTH SERVICES RESEARCH STUDY SECTION
** R23DE-06562-03 Fluoridation effects on dental demand (human)
** R01DE-07718-01 Professional education and patient periodontal health

HEARING DISORDERS
SEE EAR DISORDERS, HEARING DISORDERS

HEARING (TISSUE) TRANSPLANTATION
SEE EAR (TISSUE) TRANSPLANTATION

HEART CONGENITAL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, HEART DEFECTS

HEART DEFECTS
SEE CONGENITAL ABNORMALITIES, HEART DEFECTS

HEART DISORDERS, ENDOCARDITIS BACTERIAL
** R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)
R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci

HEART DISORDERS CONGENITAL
SEE CONGENITAL ABNORMALITIES, HEART DEFECTS

HEART DISORDERS DIAGNOSIS, ELECTROCARDIOGRAPHY MONITOR*
** P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)

HEART FUNCTION, HEART RATE
** R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)

HEART RATE
SEE HEART FUNCTION, HEART RATE

HEAT
SEE TEMPERATURE, HEAT

HEAT STABILITY-LABILITY
SEE TEMPERATURE, HEAT STABILITY-LABILITY

HEAT STIMULUS
SEE TEMPERATURE, HEAT, CALORIC STIMULATION

HEATING, AIR CONDITIONING, VENTILATION
SEE ENVIRONMENT CONTROLLED

HELPER T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES, HELPER

HEMAGGLUTINATION
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*

HEMAGGLUTININS (ANTIBODY)
SEE IMMUNOLOGY, ANTIBODIES, HEMAGGLUTININS

HEMAGGLUTININS (PLANT)
SEE PLANTS PROTEINS, LECTINS

HEMATOPOIESIS
SEE BLOOD AND RE SYSTEM, HEMATOPOIESIS

HEMATOPOIETIC STEM CELLS
SEE BLOOD CELLS, HEMATOPOIETIC STEM CELLS (GENERAL)

HEMODYNAMICS
SEE CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)

HEMOLYSINS
SEE BLOOD TOXICOLOGY, HEMOLYSINS

HEMOLYSIS
SEE BLOOD CELLS, ERYTHROCYTES, HEMOLYSIS

ALPHA HEMOLYTIC GROUP OF STREPTOCOCCI
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, VIRIDANS GROUP*

HEMOPHILUS
SEE BACTERIA, BRUCELLACEAE, HEMOPHILUS*

HEMOPHILUS PARAINFLUENZAE
SEE BACTERIA, BRUCELLACEAE, HEMOPHILUS PARAINFLUENZAE*

HEMOSTASIS
SEE BLOOD STASIS

HEPARAN SULFATE
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARAN SULFATE

HEPARIN
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARIN

HEPARIN MONOSULFATE
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARAN SULFATE

HEPARITIN SULFATE
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARAN SULFATE

HEPATITIS B ANTIGEN (HBAG)
SEE IMMUNOLOGY, ANTIGENS VIRAL, HEPATITIS B ANTIGEN (HBAG)

HEPATITIS B ASSOCIATED SURFACE ANTIGEN (HBSAG)
SEE IMMUNOLOGY, ANTIGENS VIRAL, HEPATITIS B ANTIGEN (HBAG)

HERCYNINE
SEE IMIDAZOLES

HEREDITARY DISORDERS
SEE GENETIC DISORDERS (SEE ALSO APPROPRIATE CONGENITAL ABNORMALITIES)

HEREDITY
SEE GENETICS

HEREDITY MODELS
SEE MODELS, GENETIC MODELS

HERPES 2
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

HERPES FEBRILIS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

HERPES LABIALIS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

HERPES SIMPLEX
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX

HERPES SIMPLEX VIRUS
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

HERPES SIMPLEX VIRUS 1
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1

HERPES SIMPLEX VIRUS 2
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2

HERPES SIMPLEX VIRUS GROUP
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

HERPESVIRUS HOMINIS
SEE VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE

HERPESVIRUS INFECTIONS
SEE VIRUS DISEASES, HERPESVIRIDAE

HETEROGAMY (MICROORGANISMS)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

HETEROLOGOUS TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS

HETEROTHALLIC REPRODUCTION
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

HETEROTRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS

HETEROZYGOTES
SEE GENETICS, GENOTYPES, HETEROZYGOTES

HEURISTICS (ARTIFICIAL INTELLIGENCE)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

HEXAHYDRO-2-OXO-1H-THIENO(3,4-D)IMIDAZOLE-4-PENTANOIC ACID
SEE VITAMINS, BIOTIN

HEXOSANS, GLUCANS
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

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HEXOSANS, GLUCANS, DEXTRAN
P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
** R01DE-03731-11 Studies on the dextran-sucrase of Streptococcus sanguis
R01DE-03739-14 Glycosyltransferases from oral bacteria
P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans
P50DE-07010-03 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
R01DE-07199-02 Adherence factors of oral streptococci (human)

HEXOSANS, GLUCANS, GLYCOGEN
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)

HEXOSES, FRUCTOSE
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-03739-14 Glycosyltransferases from oral bacteria
P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)

HEXOSES, GALACTOSE
P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans

HEXOSES, GALACTOSIDES
R01DE-06945-04 Characterization of microbial lectins

HEXOSES, GLUCOSE
SEE ALSO CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
SEE ALSO CARBOHYDRATES METABOLISM, GLUCOSE METABOLISM
SEE ALSO CARBOHYDRATES TRANSPORT, GLUCOSE TRANSPORT
SEE ALSO HEXOSES, GLYCOLYSIS
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R03DE-07565-01 Ecological competition among oral streps

HEXOSES, GLUCOSE, DEOXYGLUCOSE
R03DE-07565-01 Ecological competition among oral streps

HEXOSES, GLYCOLYSIS
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-06127-04 Acid-base physiology of oral streptococci

HG
SEE METALS, HEAVY METALS, MERCURY (COMPOUNDS)

HH ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HH GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

HIGH RISK, DISEASE PRONENESS
SEE DISEASE PRONENESS-RISK

HIGH-RISK PREGNANCIES (INTRAUTERINE FAILURE TO THRIVE)
SEE PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)

HISPANICS
SEE SOCIAL GROUPS ETHNIC, AMERICANS, HISPANICS

HISTAMINE
SEE IMIDAZOLES, HISTAMINE

HISTIDINE
SEE CYCLIC AMINO ACIDS, HISTIDINE

HISTOCHEMISTRY AND CYTOCHEMISTRY (GENERAL)*
** P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
P50DE-02668-20 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-05232-08 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-05996-05 Alveolar bone metabolism during tooth eruption (dogs)
** R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

HISTOCOMPATIBILITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

HISTOCOMPATIBILITY ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HISTOCOMPATIBILITY GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

HISTOGENESIS
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS

HISTOLOGY (GENERAL)*
SEE ALSO TISSUE (GENERAL)
SEE ALSO TISSUE AND CELL PREPARATION
** P01DE-01697-24 0044 Developmental research in cleft palate - Archive of normal and cleft palate fetal histology
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)

HISTOPATHOLOGY (GENERAL)*
** R01DE-02525-20 Ultrastructural histopathology of human dental enamel
** P50DE-07009-03 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
** P50DE-07010-03 0010 Specialized caries research center - TSRLM project

HISTOPLASMIN TEST
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*

HLA-A3 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-B7 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-B27 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-D ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HLA-DW2 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

HL-A LOCUS (HUMAN)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

HOLLOW DENTAL FIBERS
SEE DRUGS, DRUG DELIVERY SYSTEMS

HOM-1 GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

HOME CARE
SEE HEALTH CARE SERVICES, HOME CARE

HOMEOSTASIS, HOMEOSTATIC CONTROL
SEE INFORMATION PROCESSING AND CONTROL (BIOLOGICAL), HOMEOSTASIS

HOMOLOGOUS TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

HOMOTRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

HORMONAL REGULATION AND CONTROL (MECHANISMS)
SEE ENDOCRINOLOGY, HORMONAL REGULATION AND CONTROL (MECHANISMS)

HORMONE BINDING PROTEINS
SEE ENDOCRINOLOGY, HORMONE BINDING PROTEINS

HORMONE RECEPTORS
SEE ENDOCRINOLOGY, HORMONE RECEPTORS

HORMONE THERAPY, ENDOCRINE DISORDERS
SEE ENDOCRINOLOGY, ENDOCRINE DISORDERS HORMONE THERAPY

HORMONES BIOSYNTHESIS
SEE ENDOCRINOLOGY, HORMONES BIOSYNTHESIS

HORMONES METABOLISM
SEE ENDOCRINOLOGY, HORMONES METABOLISM

HOSPITAL FEES
SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING

HOST-MICROORGANISM
SEE ENVIRONMENT, ECOLOGY ORGANISMS, HOST-ORGANISM

HOST-ORGANISM
SEE ENVIRONMENT, ECOLOGY ORGANISMS, HOST-ORGANISM

HR GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

HUMAN AND HUMAN RELATED POPULATION STUDIES
SEE POPULATION STUDIES HUMAN

HUMAN (ALPHA) HERPESVIRUS 1
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1

HUMAN (ALPHA) HERPESVIRUS 2
SEE VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2

HUMAN (BETA) HERPESVIRUS 5
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

HUMAN (GAMMA) HERPESVIRUS 4
SEE VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4

HUMORAL ANTIBODIES (GENERAL)
SEE IMMUNOLOGY, ANTIBODIES

HUMORAL IMMUNITY
SEE IMMUNITY, HUMORAL IMMUNITY

HYALOPLASM
SEE CELL COMPONENTS, CYTOPLASM

HYALURONIC ACID
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HYALURONIC ACID

HYALURONIDASE
SEE CARBOHYDRASES, HYALURONIDASE

HYALURONOGLUCOSIDASE
SEE CARBOHYDRASES, HYALURONIDASE

HYBRID NUCLEIC ACIDS
SEE NUCLEIC ACIDS, SYNTHETIC NUCLEIC ACIDS, HYBRID NUCLEIC ACIDS

HYBRIDOMAS
SEE CELL HYBRIDS, HYBRIDOMAS

HYBRIDS
SEE GENETICS, GENOTYPES, HETEROZYGOTES

HYDRATION-DEHYDRATION
SEE CHEMICAL REACTIONS, HYDRATION-DEHYDRATION

HYDRATION REACTIONS
SEE CHEMICAL REACTIONS, HYDRATION-DEHYDRATION

HYDRODYNAMICS
SEE PHYSICAL PROPERTIES, FLUID DYNAMICS (GENERAL)

HYDROGEN BOND
SEE CHEMICAL BONDS, HYDROGEN BOND

HYDROGEN FLUORIDE
SEE HALOACIDS, HYDROGEN FLUORIDE

HYDROGEN-ION CONCENTRATION
SEE ACIDS-BASES, HYDROGEN-ION CONCENTRATION

HYDROGEN PEROXIDE
SEE PEROXIDES HYDROGEN PEROXIDE

HYDROGEN TRANSPORT
SEE CHEMICAL TRANSFER, HYDROGEN TRANSPORT

HYDROLASES
SEE ALSO CARBOHYDRASES
SEE ALSO PHOSPHATASES
P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
R01DE-07257-03 IgA protease and dental caries
** R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

HYDROLYSIS
SEE CHEMICAL REACTIONS, SOLVOLYSIS, HYDROLYSIS

HYDROPHOBIC BONDS
SEE CHEMICAL BONDS, HYDROPHOBIC

HYDROPS
SEE BODY FLUID BALANCE, EDEMA

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

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HYDROXYAPATITE
SEE CALCIUM PHOSPHATES, HYDROXYAPATITE

25-HYDROXYCHOLECALCIFEROL
SEE VITAMINS, VITAMIN D, 25-HYDROXYCHOLECALCIFEROL

2-HYDROXY-5,9-DIMETHYL-2-(3,3-DIMETHYLALLYL)-6,7-BENZOMORPHAN
SEE BENZAZOCINES, PENTAZOCINE

6-HYDROXYDOPAMINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, L-HYDROXYDOPAMINE

HYDROXYL GROUPS
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

N-4-HYDROXYPHENYL RETINAMIDE
SEE VITAMINS, VITAMIN A ANALOGS

HYDROXYPROLINE
SEE CYCLIC AMINO ACIDS, PROLINE, HYDROXYPROLINE

3-HYDROXYPROLINE
SEE CYCLIC AMINO ACIDS, PROLINE, 3-HYDROXYPROLINE

HYDROXYPROPIONIC ACID
SEE FATTY ACIDS, LACTATES

HYDROXYPYRIDINES
SEE PYRIDINOLS

5-HYDROXYTRYPTAMINE
SEE BENZOPYRROLES, SEROTONIN

HYPERFERREMIA
SEE IRON METABOLISM

HYPERGLYCINEMIA
SEE METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA

HYPERPARATHYROIDISM
SEE PARATHYROID GLANDS DISORDERS, HYPERPARATHYROIDISM

HYPERPLASIA (GENERAL)
SEE GROWTH ABNORMAL, HYPERPLASIA (GENERAL)

HYPERPYREXIA
SEE TEMPERATURE (BODY), FEVER

HYPERTHERMIA
SEE TEMPERATURE (BODY), FEVER

HYPERTROPHY
SEE GROWTH ABNORMAL, HYPERTROPHY

HYPERVITAMINOSIS
SEE NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS

HYPNOSIS
SEE PSYCHOLOGY, SUGGESTION, HYPNOSIS

HYPNOTICS AND SEDATIVES
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

HYPOCALCEMIA
SEE CALCIUM (MINERAL) IMBALANCES, HYPOCALCEMIA

HYPOIMMUNITY
SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS

HYPOPITUITARY DWARFISM
SEE SKELETAL DISORDERS, BONE DEVELOPMENT, DWARFISM, PITUITARY

HYPOVENTILATION FROM RESPIRATORY CENTER DYSFUNCTION
SEE RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION

HYPOVENTILATION NOCTURNAL
SEE RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION

HYPOVITAMINOSIS D
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D

HYPOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA

HYPOXIA, RESPIRATORY
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

HYPOXIA FETAL
SEE RESPIRATORY GAS LEVELS, HYPOXIA FETAL

I
SEE HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS

I REGION GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IA ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

IBUPROFEN
SEE PHENYLCARBOXYLATES, IBUPROFEN

IDENTIFICATION OF VIRUSES
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING AND IDENTIFICATION

IG GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

IGA SECRETORY
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

IGD
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN D

IGE
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN E

IGM
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M

ILIUM
SEE SKELETAL SYSTEM, PELVIC BONES, ILIUM

IMAGE AND WAVESHAPE PROCESSING ANALYSIS AND DISPLAY
SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

IMAGE ENHANCEMENT
SEE OPTICS, IMAGE ENHANCEMENT*

IMAGERY
SEE SENSORY-PERCEPTUAL PROCESSES, IMAGERY

IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
** R01DE-06541-04 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
** R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
R03DE-07582-01 Effect of cyclosporine on human gingival fibroblasts
** R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

IMIDAZOLES
SEE ALSO CYCLIC AMINO ACIDS, HISTIDINE
R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)

IMIDAZOLES, HISTAMINE
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)
R03DE-07877-01 Microcirculation of the hamster gingiva

IMIDAZOLES, METRONIDAZOLE
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
** R01DE-06030-05 Metronidazole therapy in periodontal disease (human)
R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)

IMINES, SCHIFF BASES
P50DE-02668-20 0125 Regional dental research center - Significance of collagen crosslinks in tissue

8,9C-IMINOETHANOPHENANTHRO(4,5BCD)FURANS
SEE ALKALOIDS, MORPHINES

IMMOBILIZATION (JOINT FIXATION, SURGICAL)
SEE SKELETAL DISORDERS, ORTHOPEDICS, ARTHRODESIS

IMMUNE ADHERENCE
SEE IMMUNOLOGY, IMMUNE ADHERENCE

IMMUNE COMPLEX AUTOIMMUNE DISEASES
SEE IMMUNOPATHOLOGY, AUTOIMMUNE DISORDERS

IMMUNE COMPLEXES
SEE IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS, IMMUNE COMPLEXES

IMMUNE DISORDERS
SEE IMMUNOPATHOLOGY (GENERAL)

IMMUNE MODULATION
SEE IMMUNITY, IMMUNOREGULATION

IMMUNE RESPONSE GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IMMUNE SERA
SEE IMMUNOLOGY, ANTIBODIES, IMMUNE SERA

IMMUNE TOLERANCE
SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS

IMMUNITY (AND NATURAL RESISTANCE) (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIBODIES, IMMUNE SERA
SEE ALSO IMMUNOLOGY, ANTIBODY FORMATION
SEE ALSO IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS
** P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)

IMMUNITY, AUTOIMMUNITY
SEE IMMUNOPATHOLOGY, AUTOIMMUNE DISORDERS

IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)
SEE ALSO IMMUNOLOGY, ACUTE PHASE PROTEINS
SEE ALSO IMMUNOLOGY, ANTIBODIES, OPSONINS
SEE ALSO IMMUNOLOGY, ANTIBODIES BACTERIAL
SEE ALSO VACCINES, BACTERIAL (GENERAL)
** P50DE-02670-20 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
** R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
** R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
** R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
** R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

IMMUNITY, CELLULAR IMMUNITY (GENERAL)
SEE ALSO BLOOD CELL DEPLETION THERAPY, T LYMPHOCYTE DEPLETION
SEE ALSO BLOOD CELLS, LYMPHOCYTES, KILLER CELLS
SEE ALSO BLOOD CELLS, T LYMPHOCYTES
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES
SEE ALSO IMMUNOPATHOLOGY, AUTOIMMUNE DISORDERS
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
** P50DE-02623-19 0035 Center for oral health research - Cellular aspects of the muring IgA response
** P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
** P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
** R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
** R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
** R01DE-05626-06 Role of complement in periodontal disease
R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis

IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES
** R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
** R01DE-06989-02 Neutrophil function in periodontal disease (human)
** P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)

IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02600-20 0030 Support for oral biology research center - Human gingival epithelial cells
P50DE-02600-20 0035 Support for oral biology research center - Antigens of potential periodontal pathogens
P50DE-02600-20 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)

(contd)

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**Oriented significantly to above subject

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R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
** R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
** P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)
** R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)

IMMUNITY, CROSS IMMUNITY
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
** R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

IMMUNITY, CYTOKINES, LYMPHOKINES
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-07378-02 Human osteoclast-activating factor (mice, rats)

IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS
R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06989-02 Neutrophil function in periodontal disease (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, INTERFERONS
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)

IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOTOXIN
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)

IMMUNITY, CYTOKINES, LYMPHOKINES, MACROPHAGE ACTIVATING FACTOR
** R01DE-05494-07 Activation of macrophages in periodontal disease (mice)

IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR
R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
P50DE-04881-10 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-07378-02 Human osteoclast-activating factor (mice, rats)

IMMUNITY, CYTOKINES, MONOKINES, INTERLEUKIN 1
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
** R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

IMMUNITY, HUMORAL IMMUNITY
SEE ALSO BLOOD CELLS, B LYMPHOCYTES
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)
SEE ALSO IMMUNOLOGY, COMPLEMENT
** P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-06989-02 Neutrophil function in periodontal disease (human)
P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
** P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis
R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)
R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)

IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, GRAFT VERSUS HOST REACTIONS
** R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs

IMMUNITY, IMMUNOREGULATION
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION
SEE ALSO IMMUNOGENETICS (GENERAL)
SEE ALSO IMMUNOLOGY, TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-19 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
** P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
** P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P50DE-04881-10 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
** R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
** R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

IMMUNITY, IMMUNOSUPPRESSION
SEE ALSO BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR
** R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis
R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA
P50DE-02600-20 0035 Support for oral biology research center - Antigens of potential periodontal pathogens
R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)

IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION
R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)

IMMUNITY, IMMUNOSUPPRESSIVE AGENTS
SEE ALSO IMMUNOLOGY, COMPLEMENT INHIBITORS AND INACTIVATORS
** R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R03DE-07568-01 Cyclosporine-A induced gingival overgrowth in beagles (dogs)
R03DE-07582-01 Effect of cyclosporine on human gingival fibroblasts

IMMUNITY, IMMUNOTHERAPY (GENERAL)
R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)

IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
SEE ALSO IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)
SEE ALSO VACCINATION
** R01DE-05429-07 Adherence of periodontal disease-associated bacteria
** R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE
SEE ALSO VACCINATION
R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
** R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)

IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, PASSIVE
R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)

IMMUNITY, ISOIMMUNITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

IMMUNIZATION
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION

IMMUNIZATION, ACTIVE
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE

IMMUNIZATION PASSIVE
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, PASSIVE

IMMUNOBIOLOGY STUDY SECTION
** R01DE-06740-03 Human antibody responsiveness and dental caries
** R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

IMMUNOCHEMISTRY
P50DE-02668-20 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-03487-15 Inhibition of human cariogenic streptococci
R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-04971-08 Salivary mucins and dental diseases (human)
R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** P50DE-07003-03 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)
P50DE-07003-03 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)
R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

IMMUNODIAGNOSIS (GENERAL)
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*

IMMUNODIAGNOSIS OF NEOPLASMS
SEE NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS

IMMUNOFLUORESCENCE
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*

IMMUNOGENETICS (GENERAL)
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
** P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
R03DE-07747-01 Viral infection & salivary gland graft-vs host disease (mice, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

NI Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

IMMUNOGENETICS, HISTOCOMPATIBILITY GENES
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES
R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES
R01DE-06740-03 Human antibody responsiveness and dental caries

IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL
** P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)

IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
R01DE-07360-01 Oral-facial clefts in China a family study
** R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

IMMUNOGLOBULIN A
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN A

IMMUNOGLOBULIN A, SECRETORY
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

IMMUNOGLOBULIN BIOSYNTHESIS
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS

IMMUNOGLOBULIN D
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN D

IMMUNOGLOBULIN E
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN E

IMMUNOGLOBULIN G
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN G

IMMUNOGLOBULIN GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

IMMUNOGLOBULIN GENES AND CONTROL
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

IMMUNOGLOBULIN M
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN M

IMMUNOGLOBULIN STRUCTURE
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE

IMMUNOGLOBULINS
SEE GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)

IMMUNOLOGIC DISORDERS DIAGNOSIS
SEE IMMUNOPATHOLOGY, DIAGNOSIS*

IMMUNOLOGIC REACTIVITY CONTROL
SEE IMMUNITY, IMMUNOREGULATION

IMMUNOLOGICAL PARALYSIS
SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS

IMMUNOLOGICAL PREPARATIONS (GENERAL)(INCLUDING CERTIFICATION AND STANDARDIZATION)
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION, ALLOANTISERA
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
SEE ALSO IMMUNOLOGY, ANTIBODIES, IMMUNE SERA
** R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)

IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
SEE ALSO IMMUNOLOGY, ANTIBODY SPECIFICITY
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03487-15 Inhibition of human cariogenic streptococci
** R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06945-04 Characterization of microbial lectins
R01DE-07378-02 Human osteoclast-activating factor (mice, rats)
** R43DE-07539-01 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)
** R03DE-07871-01 Production of capnocytophaga specific monoclonal antibodies (mice)

IMMUNOLOGICAL TESTS
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
SEE ALSO CELL ADHESION
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOFLUORESCENCE*
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
R23DE-07616-01 Flow cytometric analysis of oral actinobacillus

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*
SEE ALSO NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
R43DE-07539-01 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)

IMMUNOLOGICAL TESTS AND IMMUNOASSAY, RADIOIMMUNOASSAY*
R01DE-07378-02 Human osteoclast-activating factor (mice, rats)
R03DE-07871-01 Production of capnocytophaga specific monoclonal antibodies (mice)

IMMUNOLOGICAL UNRESPONSIVENESS
SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS

IMMUNOLOGY, ACUTE PHASE PROTEINS
R01DE-07376-02 Biochemical profile for gingival crevicular fluid

IMMUNOLOGY, ANTIBODIES
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN(S)
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
SEE ALSO NEOPLASMS IMMUNOLOGY, TUMOR ANTIBODIES
P50DE-02670-20 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
** R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)

IMMUNOLOGY, ANTIBODIES, AGGLUTININS
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
** P50DE-02623-19 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
R01DE-05251-07 Salivary gland secretory mechanisms (rats)
** R03DE-07298-01 Low molecular weight salivary agglutinins

IMMUNOLOGY, ANTIBODIES, HEMAGGLUTININS
SEE ALSO PLANTS PROTEINS, LECTINS
R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)

IMMUNOLOGY, ANTIBODIES, IMMUNE SERA
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
R01DE-07675-01 Periodontosis--A PMN actin dysfunction syndrome

IMMUNOLOGY, ANTIBODIES, OPSONINS
SEE ALSO IMMUNOLOGY, COMPLEMENT
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section

IMMUNOLOGY, ANTIBODIES BACTERIAL
** P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** P50DE-07009-03 0004 Specialized caries research centers - Immunological aspects of root caries (human)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)

IMMUNOLOGY, ANTIBODIES MICROBIAL
SEE ALSO IMMUNOLOGY, ANTIBODIES BACTERIAL
SEE ALSO IMMUNOLOGY, ANTIBODIES VIRAL
** R01DE-06153-05 Antibody to glucosyltransferase in adults and children
** R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
** R03DE-07587-01 Antibody responses to IgA1 and IgG protease

IMMUNOLOGY, ANTIBODIES VIRAL
** R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
P50DE-07518-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

IMMUNOLOGY, ANTIBODY FORMATION
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION
** P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
** R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
** R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)

IMMUNOLOGY, ANTIBODY SPECIFICITY
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
** R01DE-06740-03 Human antibody responsiveness and dental caries
P50DE-07009-03 0004 Specialized caries research centers - Immunological aspects of root caries (human)

IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, HEMAGGLUTINATION*
R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
P01DE-06153-05 Antibody to glucosyltransferase in adults and children
R03DE-07587-01 Antibody responses to IgA1 and IgG protease

IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS, IMMUNE COMPLEXES
R01DE-06860-03 Complement monocyte interactions in periodontal disease
R01DE-06989-02 Neutrophil function in periodontal disease (human)
** R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)

IMMUNOLOGY, ANTIGENS
SEE ALSO IMMUNOLOGY, HAPTENS
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)
** R03DE-07733-01 Generation of antiserum to PDGF synthetic peptides (rabbits)

IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS MICROBIAL
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)
P50DE-02600-20 0035 Support for oral biology research center - Antigens of potential periodontal pathogens
P50DE-02670-20 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
** R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04529-10 Replacement therapy of dental caries (rats)
** R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-06945-04 Characterization of microbial lectins
** R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)
R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO POLYSACCHARIDES, BACTERIAL (GENERAL)
** R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
** R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)
R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues
** R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)
R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)

IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, ENDOTOXINS
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, EXOTOXINS
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)

IMMUNOLOGY, ANTIGENS BACTERIAL, ENDOTOXINS
P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
R01DE-05817-06 Cellular mechanisms of collagen breakdown (human, animals)
R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)
** R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)

IMMUNOLOGY, ANTIGENS BACTERIAL, EXOTOXINS
P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory

IMMUNOLOGY, ANTIGENS MICROBIAL
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO IMMUNOLOGY, ANTIGENS VIRAL
SEE ALSO MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
SEE ALSO POLYSACCHARIDES, BACTERIAL (GENERAL)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
R01DE-06153-05 Antibody to glucosyltransferase in adults and children

IMMUNOLOGY, ANTIGENS VIRAL
P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
** R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)

IMMUNOLOGY, ANTIGENS VIRAL, HEPATITIS B ANTIGEN (HBAG)
** R03DE-07575-01 Salivary HBsAg and periodontal disease
R03DE-07733-01 Generation of antiserum to PDGF synthetic peptides (rabbits)

IMMUNOLOGY, COMPLEMENT
SEE ALSO BLOOD CELLS, ERYTHROCYTES, HEMOLYSIS
R01DE-03301-16 Connective tissues of the periodontium (human, dog)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
** R01DE-05626-06 Role of complement in periodontal disease
** R01DE-06860-03 Complement monocyte interactions in periodontal disease
R03DE-07298-01 Low molecular weight salivary agglutinins
R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
** R01DE-07606-01 Complement and periodontal pathogenic microorganisms

IMMUNOLOGY, COMPLEMENT, CHEMOTACTIC FACTORS
P50DE-02600-20 0030 Support for oral biology research center - Human gingival epithelial cells
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
** P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section

IMMUNOLOGY, COMPLEMENT INHIBITORS AND INACTIVATORS
R01DE-07606-01 Complement and periodontal pathogenic microorganisms

IMMUNOLOGY, COMPLEMENT PATHWAYS
R01DE-07606-01 Complement and periodontal pathogenic microorganisms

IMMUNOLOGY, COMPLEMENT RECEPTORS
R01DE-05626-06 Role of complement in periodontal disease

IMMUNOLOGY, HAPTENS
P50DE-07003-03 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)

IMMUNOLOGY, HAPTENS (CARDIOLIPIN)
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

IMMUNOLOGY, IMMUNE ADHERENCE
R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)

IMMUNOLOGY, MICROBIAL
SEE ALSO IMMUNITY, BACTERICIDAL DEFENSES (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS MICROBIAL
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02600-20 0035 Support for oral biology research center - Antigens of potential periodontal pathogens
P50DE-02600-20 0037 Support for oral biology research center - Peridontal microflora (human)
P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02623-19 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
P50DE-02731-20 0034 Development support for dental research institute - Microbial biochemistry laboratory
** P50DE-04881-10 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
** P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
** P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
R01DE-05423-07 Adherence of periodontal disease-associated bacteria
** R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
** R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
** P50DE-07010-03 0005 Specialized caries research center - Immunological investigation of root surface caries
** P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
** P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)
R03DE-07587-01 Antibody responses to IgA1 and IgG protease

IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM
** P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-06740-03 Human antibody responsiveness and dental caries
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
R01DE-07257-03 IgA protease and dental caries

IMMUNOLOGY, TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY
** R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)

IMMUNOPATHOLOGY (GENERAL)
SEE ALSO BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE
SEE ALSO NEOPLASMS IMMUNOLOGY
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, GRAFT VERSUS HOST REACTIONS
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
** P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
R13DE-07469-01 Symposium on oral mucosal diseases

IMMUNOPATHOLOGY, AUTOIMMUNE DISORDERS
R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)
R03DE-07747-01 Viral infection & salivary gland graft-vs host disease (mice, rats)

IMMUNOPATHOLOGY, DIAGNOSIS*
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)

IMMUNOPATHOLOGY, IMMUNOLOGIC DEFICIENCY DISORDERS, ACQUIRED IMMUNE DEFICIENCY DISORDERS, AIDS
SEE ALSO NEOPLASMS OF CARDIOVASCULAR SYSTEM, KAPOSI SARCOMA
M R01DE-08112-01 Oral manifestations of the acquired immunodeficiency syndrome
** R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)
** R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)
** R01DE-08112-01 9001 Oral manifestations of the acquired immunodeficiency syndrome - Core--Data flow and management

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

IMMUNOREGULATION
SEE IMMUNITY, IMMUNOREGULATION

IMMUNORESPONSE (IR) GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IMMUNOSUPPRESSION
SEE IMMUNITY, IMMUNOSUPPRESSION

IMMUNOSUPPRESSION, RADIATION INDUCED
SEE IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION

IMMUNOSUPPRESSION (IS) GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

IMMUNOSUPPRESSIVE AGENTS
SEE IMMUNITY, IMMUNOSUPPRESSIVE AGENTS

IMMUNOTHERAPY
SEE IMMUNITY, IMMUNOTHERAPY (GENERAL)

IMPLANT COMPATIBILITY OF BIOMATERIALS
SEE BIOMATERIALS IMPLANTS AND COMPATIBILITY

IMPLANTS
SEE TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT

IMPLANTS OF BIOMATERIALS
SEE BIOMATERIALS IMPLANTS AND COMPATIBILITY

IMPRESSION MATERIALS
SEE DENTAL MATERIALS, IMPRESSION MATERIALS

INACTIVATION POTENTIAL
SEE ELECTROPOTENTIALS

INBREEDING
SEE GENETICS, POPULATION GENETICS, INBREEDING

INDERAL
SEE NAPHTHYLAMINES, PROPRANOLOL

INDIANS, AMERICAN
SEE SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS

INDIVIDUALITY
SEE PSYCHOLOGY, PERSONALITY

INDOCHINESE AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS

INDOCIN
SEE BENZOPYRROLE CARBOXYLIC ACIDS, INDOMETHACIN

INDOMETHACIN
SEE BENZOPYRROLE CARBOXYLIC ACIDS, INDOMETHACIN

INDONESIAN AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS

INDUSTRIAL HAZARD
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS

INFANT ANIMALS
SEE AGE (ANIMAL), INFANTS

INFANT DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

INFANT FOODS
SEE FOOD, INFANT FOODS

INFANT HUMAN
SEE CHILDREN, INFANT (BIRTH TO 1 YR)

INFANT MENTAL DEVELOPMENT
SEE CHILD MENTAL DEVELOPMENT

INFANT NEWBORN
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)

INFANT NEWBORN (ANIMAL)
SEE AGE (ANIMAL), INFANTS NEWBORN

INFANTS OF HIGHER VERTEBRATES
SEE AGE (ANIMAL), INFANTS

INFECTION MECHANISM
SEE VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)

INFECTIOUS DISEASES CONTROL
SEE COMMUNICABLE DISEASE CONTROL

INFECTIOUS MONONUCLEOSIS
SEE BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, INFECTIOUS MONONUCLEOSIS

INFLAMMATION
SEE DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION

INFLAMMATORY BOWEL DISEASE
SEE GASTROINTESTINAL DISORDERS, INFLAMMATORY BOWEL DISEASE

INFORMATION BANKS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

INFORMATION CENTERS
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

INFORMATION-COMMUNICATION BEHAVIOR, FACIAL EXPRESSION
** R01DE-06219-04 Facial behavior related to acute dental pain (human)

INFORMATION-COMMUNICATION BEHAVIOR, SPEECH
** P01DE-01697-24 0042 Developmental research in cleft palate - Speech science project
** P50DE-02668-20 0214 Regional dental research center - Motor control during speech
** R01DE-07105-02 Speech aerodynamics--Regulation/control in cleft palate (human)
R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

INFORMATION-COMMUNICATION BEHAVIOR, VERBAL BEHAVIOR
** R01DE-07105-02 Speech aerodynamics--Regulation/control in cleft palate (human)

INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS
** P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS DIAGNOSIS
P01DE-01697-24 0042 Developmental research in cleft palate - Speech science project
P50DE-02668-20 0214 Regional dental research center - Motor control during speech
** P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

INFORMATION-COMMUNICATION DISORDERS, SPEECH THERAPY
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** R03DE-07838-01 Phototransduction as a velopharyngeal biofeedback technique (human)

INFORMATION DISSEMINATION
SEE ALSO HEALTH RECORDS
SEE ALSO INFORMATION SYSTEMS (INCL BANKS AND CENTERS)
** R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)
R13DE-07469-01 Symposium on oral mucosal diseases

INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA
** P50DE-07010-03 0008 Specialized caries research center - Enrichment program
** R13DE-07843-01 Symposium on effects of injury on somatosensory systems

INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, INTERNATIONAL
** R13DE-07154-01 Symposium on the biology of tooth movement
** R13DE-07469-01 Symposium on oral mucosal diseases
** R13DE-07603-01 Craniofacial surgery--Symposium on longterm results

INFORMATION DISSEMINATION, RADIO
** P50DE-07010-03 0003 Specialized caries research center - Radiotelemetric evaluation of interproximal plaque pH (human)

INFORMATION DISSEMINATION, VIDEOTAPES (GENERAL)
R03DE-07877-01 Microcirculation of the hamster gingiva

INFORMATION EXCHANGE
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

INFORMATION GATHERING (DATA COLLECTION)
SEE ALSO HEALTH RECORDS, CASE HISTORY
SEE ALSO POPULATION SURVEYS
R01DE-02320-20 Clinical behavior of dental restorative materials (human)

INFORMATION GATHERING (DATA COLLECTION), INTERVIEWS
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)

INFORMATION GATHERING (DATA COLLECTION), QUESTIONNAIRES
R01DE-04358-10 Treatment of temporomandibular joint pain (human)
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)

INFORMATION GATHERING METHODS EVALUATION-STANDARDS
** R01DE-04068-12 Statistical methods in dental research
** R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)

INFORMATION PROCESSING AND CONTROL (BIOLOGICAL), HOMEOSTASIS
SEE ALSO BODY FLUID BALANCE, ACID-BASE
SEE ALSO BODY FLUID BALANCE, IONIC
SEE ALSO CELL GROWTH REGULATION
P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-06065-06 The role of lymphoid cells in alveolar bone resorption (rats)
** R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

INFORMATION PROCESSING AND CONTROL (NEURAL)
SEE ALSO NEUROPHYSIOLOGY (GENERAL)
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
SEE ALSO SENSORY FEEDBACK
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
** R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
** R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-06717-02 Jaw movements and masseter activity during chewing (human)
R01DE-06762-03 Development of an advanced artificial oral environment
** R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-06943-03 Central projections of MES V afferents (cats)
R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
** P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
** P50DE-07509-01 0002 Role of CNS adaptive mechanisms in orofacial sensation - Dynamic influences of somatosensory cortical neurons (monkeys)
** P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
** R01DE-07695-02 Organization of cortical tooth representations (monkeys)

INFORMATION RETRIEVAL
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

INFORMATION SYSTEMS (INCL BANKS AND CENTERS)
SEE ALSO BIOMEDICAL REGISTRIES AND REFERRAL CENTERS
SEE ALSO HEALTH RECORDS
SEE ALSO TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
R01DE-06069-04 A genetic study of cleft lip and cleft palate in Hawaii
R44DE-06932-03 A periodontal temperature probe (human)
** P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)
** R01DE-08112-01 9001 Oral manifestations of the acquired immunodeficiency syndrome Core--Data flow and management

INFORMATION SYSTEMS, INFORMATION RETRIEVAL
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)

INFUSION PUMPS IMPLANTED FOR DRUG DELIVERY
SEE DRUGS, DRUG DELIVERY SYSTEMS

INHALATION
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

INHALATION ANESTHESIA
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

INHALATION-EXHALATION
SEE RESPIRATORY FUNCTION, RESPIRATION

INHIBITORS
SEE CALCIFICATION INHIBITORS

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

(contd)

SEE DENTAL CARIES INHIBITORS
SEE ENZYME INHIBITORS
SEE GROWTH INHIBITORS

INJURIES (HAZARDS AND INSULTS)
SEE ALSO NERVOUS DISORDERS CENTRAL, SPINAL CORD INJURIES
** R13DE-07843-01 Symposium on effects of injury on somatosensory systems

INJURIES, BURNS
P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)

INJURIES, FRACTURES
R01DE-06954-02 Structural studies of matrix proteins in teeth and bone
** R23DE-07679-01 Role of osteogenic growth factor in bone healing (rabbits, rats)

INJURIES, SCARS
SEE ALSO SKIN DISORDERS, KELOID
P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

INJURIES, SURGICAL WOUNDS
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)

INJURIES, TRAUMA
SEE ALSO NERVOUS DISORDERS CENTRAL, SPINAL CORD INJURIES
P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R01DE-05905-05 Neural organization of complex muscles (swine)
R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)

INJURIES, WOUND HEALING
SEE ALSO GROWTH AND DEVELOPMENT, REGENERATION
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
P50DE-02731-20 0033 Development support for dental research institute - Epidemiology laboratory (human)
** P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
** R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
** R23DE-07679-01 Role of osteogenic growth factor in bone healing (rabbits, rats)
** R03DE-07736-01 Periodontal healing adjacent to artificial surfaces (dogs, monkeys)
** R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

INJURY (HAZARDS) PREVENTION AND CONTROL (GENERAL)
R01DE-06519-02 Dental amalgams contribution to blood mercury levels
** R01DE-07754-01 Dissolution of mercury from dental amalgams

INJURY (HAZARDS) PREVENTION AND CONTROL, BIOHAZARDS (CONTROL)
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)

INNERVATION (GENERAL)
SEE NERVOUS SYSTEM, NERVES, INNERVATION (GENERAL)

INOTROPIC AGENTS NEGATIVE
SEE MUSCLE RELAXANTS

INSOMNIA
SEE NEUROLOGIC MANIFESTATIONS, SLEEP DISORDERS

INSPIRATION-EXPIRATION
SEE RESPIRATORY FUNCTION, RESPIRATION

INSTITUTIONAL CARE FACILITIES
SEE HEALTH CARE FACILITIES, INSTITUTIONAL CARE FACILITIES

INSTRUMENTATION CLINICALLY ORIENTED
SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION CLINICALLY ORIENTED

INSTRUMENTATION NOT CLINICALLY ORIENTED
SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION NOT CLINICALLY ORIENTED

INSTRUMENTS AND EQUIPMENT (HARDWARE)
SEE BIOMEDICAL ENGINEERING
SEE BIOMEDICAL SYSTEMS AUTOMATED
SEE COMPUTER (GENERAL) INCL COMPUTER DATA PROCESSING (GENERAL)
SEE DENTAL INSTRUMENTS*
SEE HEART DISORDERS DIAGNOSIS, ELECTROCARDIOGRAPHY MONITOR*

INSULIN
SEE PANCREAS HORMONES, INSULIN

INSULIN-DEPENDENT DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

INSURANCE
SEE HEALTH INSURANCE, DENTAL

INTEGRATIVE CONTROL (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

INTELLIGENCE, ARTIFICIAL
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

INTERACTIONS
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE DRUGS INTERACTION
SEE NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

INTERCELLULAR BRIDGES, CONNECTIONS
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

INTERCELLULAR JUNCTIONS
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

INTERFACIAL PHENOMENA WITH BIOMATERIALS
SEE BIOMATERIALS, INTERFACIAL PHENOMENA

INTERFERON
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERFERONS

INTERFERONS
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERFERONS

INTERLEUKIN 1
SEE IMMUNITY, CYTOKINES, MONOKINES, INTERLEUKIN 1

INTERLEUKIN 2
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

INTERLEUKIN 4A
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

INTERNAL CONTROL (AUTOGENIC CONDITIONING)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

INTERNAL LOCUS OF CONTROL
SEE PSYCHOLOGY SOCIAL, LOCUS OF CONTROL

INTERNATIONAL MEETINGS
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA, INTERNATIONAL

INTERPERSONAL BEHAVIOR, RELATIONS
SEE PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS

INTERPERSONAL RELATIONS
SEE PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS

INTERVAL OF STIMULUS
SEE STIMULUS INTERVAL

INTERVIEWS
SEE INFORMATION GATHERING (DATA COLLECTION), INTERVIEWS

INTESTINAL EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

INTESTINAL FLORA (BACTERIA)
SEE BACTERIA, ENTERIC (GENERAL)*

INTESTINAL MUCOSA
SEE GASTROINTESTINAL SYSTEM, INTESTINES, MUCOSA

INTESTINES, SMALL
SEE GASTROINTESTINAL SYSTEM, INTESTINES, SMALL INTESTINE

INTRACELLULAR MEMBRANES
SEE CELL COMPONENTS, INTRACELLULAR MEMBRANES

INTRACELLULAR SKELETON
SEE CELL COMPONENTS, CYTOSKELETON

INTRINSIC SURFACE ACTIVITY OF MEMBRANES
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

INVERTASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

INVERTEBRATE EMBRYOLOGY
SEE EMBRYOLOGY, NON-MAMMALIAN EMBRYOLOGY

INVERTEBRATE HORMONES
SEE ENDOCRINOLOGY INVERTEBRATE, INVERTEBRATE HORMONES

INVERTIN
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

INVESTMENT, INVESTMENT MATERIALS, DENTAL
SEE DENTAL MATERIALS, INVESTMENT

IODIDES
SEE HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS

IODINE (COMPOUNDS)
SEE HALOGENS, IODINE (COMPOUNDS) SEE ALSO SPECIFICS

ION BALANCE (BODY FLUIDS)
SEE BODY FLUID BALANCE, IONIC

ION CARRIERS
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)

ION EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT

ION PUMPS
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS

ION PUMP INHIBITORS
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

IONIC BONDS
SEE CHEMICAL BONDS, IONIC

IONIC CFM MODEL
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

IONIC CONDUCTANCE CHANNELS
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

IONIC STRENGTH
SEE ALSO ACIDS-BASES, HYDROGEN-ION CONCENTRATION
R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)

IONIZING RADIATION
SEE RADIATION, IONIZING RADIATION

BETA-IONONE DERIVATIVES
SEE VITAMINS, VITAMIN A (GENERAL)

IONOPHORES
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT, ION CARRIERS (IONOPHORES)

IONS
SEE ALSO ACIDS-BASES, ISOELECTRIC POINT
SEE ALSO MOLECULAR POLARITY
R01DE-06569-05 Quantitation of enamel demineralization mechanisms

IONS, ANION
R01DE-04385-11 Mechanism of dental caries
R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)

IONS, CATION
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-04385-11 Mechanism of dental caries
R01DE-04486-09 Kinetics and mechanisms of action of fluorides (human)

IONS, ELECTROLYTES
SEE ALSO BODY FLUID BALANCE, IONIC
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
P50DE-02600-20 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
R01DE-03601-13 Effect of corrosion on dental amalgams
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-06996-02 Biological molecules in the corrosion of dental alloys

IONS, POLYIONS, POLYANIONS
R01DE-05251-07 Salivary gland secretory mechanisms (rats)

IR GENES (IR-1A, IR-1B)
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IRON
SEE ALSO METALLOPROTEINS, LACTOFERRIN
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)

IRON, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON

IRON METABOLISM
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON
** R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

IR-THY-1 GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

IS GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

ISOALLOANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

ISOALLOIMMUNITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

ISOANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

ISOELECTRIC POINT
SEE ACIDS-BASES, ISOELECTRIC POINT

ISOENZYMES
SEE ENZYMES, ISOENZYMES

ISOIMMUNITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

ISOLATION, PERCEPTUAL
SEE SENSORY DEPRIVATION

ISOPROTERENOL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, ISOPROTERENOL

ISOTRETINOIN
SEE VITAMINS, VITAMIN A, RETINOIC ACID, 13-CIS RETINOIC ACID

ISUPREL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, ISOPROTERENOL

IZ-1 GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

IZ-2 GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

J CHAIN LOCUS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

J GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

JACKBEAN AGGLUTININ (LECTIN)
SEE PLANTS PROTEINS, LECTINS, CONCANAVALIN A

JAW
SEE ORAL-PHARYNGEAL, JAW

JAW MOVEMENT
SEE ORAL-PHARYNGEAL, JAW MOVEMENT

JOB PERFORMANCE
SEE OCCUPATIONS, JOB PERFORMANCE

JOINT DISORDERS
SEE SKELETAL DISORDERS, JOINT DISORDERS

JOINT FIXATION, SURGICAL
SEE SKELETAL DISORDERS, ORTHOPEDICS, ARTHRODESIS

JOINT SOUND MEASUREMENTS
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

JUVENILE (HUMAN)
SEE CHILDREN, ADOLESCENCE (12 TO 21 YRS)

JUVENILE DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

K
SEE POTASSIUM

K-CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

KALLIDIN-9
SEE PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9

KANAMYCIN
SEE ANTIBIOTICS, AMINOGLYCOSIDE ANTIBIOTICS, KANAMYCIN

KAPOSI SARCOMA
SEE NEOPLASMS OF CARDIOVASCULAR SYSTEM, KAPOSI SARCOMA

KAPPA CHAIN (LIGHT CHAIN)
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

KELOID
SEE SKIN DISORDERS, KELOID

KERATIN
SEE FIBROUS PROTEINS, KERATIN

KERATINIZATION (GENERAL)
SEE GROWTH AND DEVELOPMENT, KERATINIZATION

KERATINOCYTES
SEE SKIN, KERATINOCYTES

KERATOHYALIN
SEE FIBROUS PROTEINS, KERATOHYALIN

KERN GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

6-KETO-PGE1
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

KETOSIS-PRONE DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

KIDNEY DISORDERS, UREMIA
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)

KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT
R01DE-06429-05 Influence of acid-base status on fluoride metabolism (mammals)

KIDNEY METABOLISM
R01DE-06429-05 Influence of acid-base status on fluoride metabolism (mammals)

KILLER CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

KIMMELSTIEL-WILSON DISEASE
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETIC NEPHROPATHIES

KINASE II
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

KINDLING, NEURONAL
SEE PSYCHOLOGY, LEARNING, MEMORY

KINESTHESIS
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

KINETICS (CHEMISTRY)
SEE CHEMICAL REACTIONS (DYNAMICS)

KININASE II
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

KOREAN-AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS

L-CHAIN GENETICS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

LA
SEE METALS, RARE EARTHS, LANTHANUM (COMPOUNDS)

LA III
SEE AZEPINES, BENZODIAZEPINES, DIAZEPAM

LABORATORY (BIOMEDICAL) DATA COMPUTER PROCESSING
SEE BIOMEDICAL SYSTEMS AUTOMATED, COMPUTER PROCESSING OF LABORATORY DATA (GENERAL)

LABORATORY DIAGNOSTIC ERRORS
SEE DIAGNOSTIC QUALITY-STANDARDS

LABORATORY FACILITIES
SEE BIOMEDICAL FACILITIES

LACRIMAL DISORDERS
SEE EYE DISORDERS, LACRIMAL

LACTATE DEHYDROGENASE
SEE OXIDOREDUCTASES, LACTATE DEHYDROGENASE

LACTATES
SEE FATTY ACIDS, LACTATES

LACTATION
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, LACTATION

LACTOBACILLIC ACID
SEE FATTY ACIDS

LACTOBACILLUS
SEE BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS*

LACTOBACILLUS ACIDOPHILUS
SEE BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS ACIDOPHILUS*

LACTOBACILLUS CASEI
SEE BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS CASEI*

LACTOFERRIN
SEE METALLOPROTEINS, LACTOFERRIN

LACTOPEROXIDASE
SEE PEROXIDASES, LACTOPEROXIDASE

LAD GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

LAF (MONOKINES)
SEE IMMUNITY, CYTOKINES, MONOKINES, INTERLEUKIN 1

LAMBDA CHAIN (LIGHT CHAIN)
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

LAMININ
SEE GLYCOPROTEINS, LAMININ

LANGERHANS CELLS
SEE SKIN, LANGERHANS CELLS

LANTHANUM (COMPOUNDS)
SEE METALS, RARE EARTHS, LANTHANUM (COMPOUNDS)

LARGE LYMPHOCYTE DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, HUMORAL IMMUNITY

LARSEN SYNDROME
SEE CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES

LARYNGEAL NERVES
SEE NERVOUS SYSTEM, CRANIAL NERVES, LARYNGEAL NERVES (10)

LASER CELL ANALYZERS-SEPARATORS-SORTERS
SEE CELL SORTING, LASER

LATENT VIRUS DISEASES
SEE VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW

LATINOS (S. AMERICAN IMMIGRANTS)
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS

LEARNING
SEE PSYCHOLOGY, LEARNING

LEARNING DISORDERS
SEE PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, LEARNING DISORDERS

LECITHINASE A
SEE PHOSPHOLIPASE, LECITHINASE A

LECITHINASE C
SEE PHOSPHOLIPASE, PHOSPHATIDYLCHOLINE CHOLINEPHOSPHOHYDROLASE

LECTINS (NON-PLANT)
SEE PROTEINS, LECTINS (NON-PLANT)

LECTINS (PLANT)
SEE PLANTS PROTEINS, LECTINS

LEPTOSPIRA
SEE BACTERIA, SPIROCHETES, LEPTOSPIRA*

LEPTOTRICHIA
SEE BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*

LETS PROTEIN
SEE GLYCOPROTEINS, FIBRONECTIN

LEUCONOSTOC
SEE BACTERIA, STREPTOCOCCACEAE, LEUCONOSTOC*

LEUKOCYTE ACTIVATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LEUKOCYTE DISORDERS
SEE BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS

LEUKOCYTE PROLIFERATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LEUKOCYTE TRANSFORMATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LEUKOCYTES
SEE BLOOD CELLS, LEUKOCYTES

LEUKOPLAKIA ORAL
SEE ORAL-PHARYNGEAL HYPERPLASIA, LEUKOPLAKIA ORAL

LEUKOSIS (LYMPHOMATOSIS) VIRUSES AVIAN
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

LEUKOTAXIC FACTORS
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

LEUKOTRIENES METABOLISM
SEE FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM

LEVARTERENOL
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

LEVULOSE
SEE HEXOSES, FRUCTOSE

LI
SEE METALS, ALKALI METALS, LITHIUM

LIDOCAINE
SEE PHENYLAMIDES, LIDOCAINE

LIFE STYLE
SEE PSYCHOLOGY, PERSONALITY, LIFE STYLE

LIGAMENTS
SEE SKELETAL SYSTEM, LIGAMENT

LIGANDS
SEE METAL COMPLEXES, LIGANDS

LIGASES
SEE ALSO NUCLEIC ACIDS REPAIR
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

LIGHT
SEE PHOTOCHEMISTRY
SEE RADIATION, ELECTROMAGNETIC WAVES, VISIBLE LIGHT (380NM TO 720NM)

LIGHT POLARIZATION
SEE OPTICAL POLARIZATION*

LIMBS
SEE SKELETAL SYSTEM, LIMB

LIMULUS LECTIN
SEE PROTEINS, LECTINS (NON-PLANT)

LINC COMPUTERS
SEE COMPUTER, ON-LINE COMPUTERS*

LINKAGE
SEE GENETIC MAPPING, LINKAGE

LINOLEATE:OXYGEN OXIDOREDUCTASE
SEE OXYGENASES, LIPOXYGENASE

LINOLENIC ACID
SEE FATTY ACIDS, UNSATURATED, LINOLENIC ACID

LIP
SEE ORAL-PHARYNGEAL, LIPS

LIP, CLEFT
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT LIP

LIPID BILAYER MEMBRANE
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

LIPID BIOSYNTHESIS
SEE LIPIDS METABOLISM, LIPOGENESIS

LIPID HAPTENS (CARDIOLIPIN)
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

LIPID METABOLISM
SEE LIPIDS METABOLISM

LIPID PIGMENTS
SEE TERPENES, CAROTENE

LIPIDS
SEE ALSO ENDOCRINOLOGY, HORMONES, STEROID HORMONES
SEE ALSO FATTY ACIDS
SEE ALSO GLYCOLIPIDS
SEE ALSO LIPOPROTEINS
SEE ALSO PHOSPHOLIPIDS
SEE ALSO POLYSACCHARIDES, LIPOPOLYSACCHARIDES
SEE ALSO PROTEOLIPIDS
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
** R01DE-05666-06 Biochemistry of salivary lipids (rats, human)

LIPIDS, GLYCERIDES, DIGLYCERIDES
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)

LIPIDS, MEMBRANE LIPIDS
SEE ALSO FATTY ACIDS
SEE ALSO PHOSPHOLIPIDS
R01DE-05932-06 The role of lipoproteins in microbial calcification
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
R23DE-07473-01 Host processing of LPS in periodontitis (mice)

LIPIDS BIOSYNTHESIS
SEE LIPIDS METABOLISM, LIPOGENESIS

LIPIDS METABOLISM
SEE ALSO FATTY ACIDS METABOLISM
SEE ALSO FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM
SEE ALSO STEROID METABOLISM
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)

LIPIDS METABOLISM, LIPOGENESIS
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
R01DE-07168-03 Membrane function during germination of Candida albicans (mice)

LIPOCHROMES (CAROTENE)(CAROTENOIDS)
SEE TERPENES, CAROTENE

LIPOGENESIS
SEE LIPIDS METABOLISM, LIPOGENESIS

LIPOPOLYSACCHARIDES
SEE POLYSACCHARIDES, LIPOPOLYSACCHARIDES

LIPOPROTEINS
SEE ALSO GLYCOLIPOPEPTIDES
SEE ALSO PROTEOLIPIDS
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
** R01DE-05932-06 The role of lipoproteins in microbial calcification
R01DE-06533-04 Vesicles and endochondral bone formation (chickens)

LIPOSOMES
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS, LIPOSOMES

LIPOXIDASE
SEE OXYGENASES, LIPOXYGENASE

LIPOXYGENASE
SEE OXYGENASES, LIPOXYGENASE

LIPS
SEE ORAL-PHARYNGEAL, LIPS

LIQUID DYNAMICS
SEE PHYSICAL PROPERTIES, FLUID DYNAMICS (GENERAL)

LIQUID STATE
SEE PHYSICAL PROPERTIES, FLUID STATE

LITHIUM
SEE METALS, ALKALI METALS, LITHIUM

LIVER EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

LIVER LECTIN
SEE PROTEINS, LECTINS (NON-PLANT)

LOCAL ADAPTATION SYNDROME
SEE STRESS

LOCAL ANESTHETICS
SEE NEUROPHARMACOLOGICAL AGENTS, ANESTHETICS, LOCAL

LOCAL HORMONES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

LOCOMOTION IN SINGLE CELL AND MULTICELLULAR MICROORGANISMS
SEE CELL COMPONENTS, CILIARY AND FLAGELLAR MOVEMENT
SEE CELL MOVEMENT

LOCUS OF CONTROL
SEE PSYCHOLOGY SOCIAL, LOCUS OF CONTROL

LONG TERM HEALTH CARE
SEE HEALTH CARE SERVICES, LONG TERM CARE

LONGITUDINAL STUDY
SEE POPULATION STUDIES HUMAN, LONGITUDINAL STUDY

LONGITUDINAL STUDY, ANIMAL
SEE POPULATION STUDIES ANIMAL, LONGITUDINAL STUDY

LOW BIRTH WEIGHT, HUMAN
SEE CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT

LT (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOTOXIN

LUMINESCENCE
SEE OPTICS, LIGHT EMISSION, LUMINESCENCE*

LUNG ALVEOLUS
SEE RESPIRATORY SYSTEM, LUNG ALVEOLUS

LUNG PRESSURE
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES

LUPUS ERYTHEMATOSUS SYSTEMIC
SEE CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC

LUTEAL PHASE
SEE FERTILITY-INFERTILITY, SEX CYCLES, MENSTRUAL CYCLE

LY ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

LY GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

LYMPHATIC TISSUE
SEE BLOOD AND RE SYSTEM, LYMPHATIC TISSUE

LYMPHOCYTE ACTIVATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE ACTIVATION FACTOR (LAF)
SEE IMMUNITY, CYTOKINES, MONOKINES, INTERLEUKIN 1

LYMPHOCYTE CHEMOTACTIC FACTOR (LCF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

LYMPHOCYTE DEPLETION THERAPY
SEE BLOOD CELL DEPLETION THERAPY, LYMPHOCYTE DEPLETION

T LYMPHOCYTE DEPLETION THERAPY
SEE BLOOD CELL DEPLETION THERAPY, T LYMPHOCYTE DEPLETION

LYMPHOCYTE PRODUCTS
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

LYMPHOCYTE PROLIFERATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE RECEPTORS AND RECOGNITION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTE TRANSFORMATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES

B LYMPHOCYTES
SEE BLOOD CELLS, B LYMPHOCYTES

T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES

LYMPHOID TISSUE
SEE BLOOD AND RE SYSTEM, LYMPHATIC TISSUE

LYMPHOKINES
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

LYMPHOPENIA
SEE BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, LYMPHOPENIA

LYMPHOTOXIN
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOTOXIN

LYMPHOTOXIN, LYMPHOTOXIC FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, LYMPHOTOXIN

LYSINE
SEE DIAMINO ACIDS, LYSINE

L-LYSINE
SEE PEPTIDES, DYNORPHIN

LYSINE PEPTIDES
SEE PEPTIDES, HOMOPEPTIDES, LYSINE PEPTIDES

LYSOSOMES
SEE CELL COMPONENTS, LYSOSOMES

LYSOZYME
SEE CARBOHYDRASES, LYSOZYME

MACACA
SEE MAMMALS, PRIMATES, MONKEYS AND APES, OLD WORLD MONKEYS, MACACA SP.*

MACACA ARCTOIDES
SEE MAMMALS, PRIMATES, MONKEYS AND APES, OLD WORLD MONKEYS, MACACA SP.*

MACACQUES
SEE MAMMALS, PRIMATES, MONKEYS AND APES, OLD WORLD MONKEYS, MACACA SP.*

MACROMOLECULES
SEE MOLECULES, MACROMOLECULES

MACROPHAGE ACTIVATING FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MACROPHAGE ACTIVATING FACTOR

MACROPHAGE CHEMOTACTIC FACTOR (MCF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

MACROPHAGE FUSION FACTOR (MFF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

MACROPHAGES
SEE BLOOD AND RE SYSTEM, MACROPHAGES

MAF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, MACROPHAGE ACTIVATING FACTOR

MAGNESIUM (COMPOUNDS)
SEE METALS, ALKALINE EARTH METALS, MAGNESIUM

MAGNETICS (GENERAL)
SEE ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)

MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

MALNUTRITION
SEE NUTRITIONAL ABNORMALITIES, MALNUTRITION (GENERAL)

MALNUTRITION (NONDIETARY)
SEE NUTRITIONAL ABNORMALITIES

MALOCCLUSION
SEE DENTAL DISORDERS, MALOCCLUSION

MAMMALIAN EMBRYOLOGY
SEE EMBRYOLOGY, MAMMALIAN EMBRYOLOGY

MAMMALIAN GENETICS STUDY SECTION
** R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)

(contd)

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**Oriented significantly to above subject

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See Appendix for investigator's name and Grant Number

MAMMALS, MARSUPIALS, OPOSSUM*
** R03DE-07894-01 Morphological and biochemical studies of opossum enamel

MAMMALS, PRIMATES*
** R01DE-07695-02 Organization of cortical tooth representations (monkeys)

MAMMALS, PRIMATES, MONKEYS AND APES, NEW WORLD MONKEYS, SAIMIRI SP.*
R01DE-07695-02 Organization of cortical tooth representations (monkeys)

MAMMALS, PRIMATES, MONKEYS AND APES, OLD WORLD MONKEYS, MACACA SP.*
R01DE-07695-02 Organization of cortical tooth representations (monkeys)

MAMMALS, RODENTS, HYSTRICOMORPHA, GUINEA PIGS*
** R01DE-07755-01 Placental transfer of fluoride in the guinea pig

MAMMALS, RODENTS, MYOMORPHA, ATHYMIC MICE (NUDE)*
** R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis

MAMMALS, RODENTS, MYOMORPHA, HAMSTERS*
** R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
** R03DE-07877-01 Microcirculation of the hamster gingiva

MAMMALS, RODENTS, MYOMORPHA, MICE (LABORATORY)*
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function

MAMMARY GLANDS
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS

MAMMARY TUMOR GROWTH FACTOR
SEE GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS

MANDIBLE
SEE ORAL-PHARYNGEAL, JAW, MANDIBLE

MANDIBULAR CONDYLE
SEE ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE

MANDIBULAR NERVE
SEE NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE (5)

MAPPING
SEE BRAIN MAPPING
SEE GENETIC MAPPING

MARFAN SYNDROME
SEE METABOLIC DISORDERS INBORN, MARFAN SYNDROME

MARKERS
SEE GENETIC MAPPING, GENETIC MARKERS

MASS CULTURE
SEE TISSUE (CELL) CULTURE, MASS CULTURE

MASS DIAGNOSTIC SCREENING
SEE DIAGNOSTIC SERVICES, MASS SCREENING

MAST CELLS
SEE BLOOD AND RE SYSTEM, MAST CELLS

MASTICATION
SEE DENTISTRY, MASTICATION

MATERNAL AGE
SEE PREGNANCY, AGE AT PREGNANCY

MATERNAL INHERITANCE (EXTRACHROMOSOMAL)
SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE

MATERNAL NUTRITION
SE NUTRITION, MATERNAL-FETAL NUTRITION

MATHEMATICAL MODELS
SEE MODELS, MATHEMATICAL

MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)
SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
SEE ALSO NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS
SEE ALSO POPULATION STUDIES HUMAN
SEE ALSO PSYCHOMETRICS
SEE ALSO STATISTICAL SERVICE AND CENTERS
** R01DE-04068-12 Statistical methods in dental research
** R01DE-06720-03 Resistance of various restorative materials
** P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
** R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)

MATRIX, EXTRACELLULAR
SEE CELL COMPONENTS, EXTRACELLULAR MATRIX

MATRIX (GROUND CYTOPLASM)
SEE CELL COMPONENTS, CYTOPLASM

MATURITY-ONSET DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, NONINSULIN-DEPENDENT DIABETES

MCG GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

MECHANICAL PRESSURE
SEE PHYSICAL PROPERTIES, MECHANICAL PRESSURE

MECHANICAL STRESS
SEE PHYSICAL PROPERTIES, MECHANICAL STRESS

MECHANORECEPTORS
SEE SENSE ORGANS, MECHANORECEPTORS

MEDICAL AUDIT
SEE HEALTH CARE QUALITY

MEDICAL CARE COSTS-FINANCING
SEE HEALTH ECONOMICS, HEALTH CARE COSTS-FINANCING

MEDICAL ECONOMICS
SEE HEALTH ECONOMICS

MEDICAL EQUIPMENT SAFETY
SEE BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY

MEDICAL FACILITIES UTILIZATION
SEE HEALTH CARE (SERVICES) (RESOURCES) UTILIZATION

MEDICAL RECORDS
SEE HEALTH RECORDS

MEDICINE
SEE BEHAVIORAL MEDICINE

MEETINGS CONFERENCES SYMPOSIA
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA

MEGAVITAMIN THERAPY
SEE NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)

MEMBRANE, BASEMENT MEMBRANE
P50DE-02670-20 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
P50DE-02731-20 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
R01DE-05690-05 Localization of the procollagens in dental tissues (rats, mice, rabbits)
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

MEMBRANE, BRUSH BORDER MEMBRANES
R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)

MEMBRANE, MEMBRANE FUSION
SEE ALSO CELL ADHESION
SEE ALSO CELL-CELL INTERACTION
SEE ALSO CELL DIVISION
SEE ALSO CELL INGESTION, PHAGOCYTOSIS
SEE ALSO CELL INGESTION, PINOCYTOSIS
R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)

MEMBRANE, MEMBRANE (BIOLOGICAL) STRUCTURE
SEE ALSO BIOLOGICAL TRANSPORT, MEMBRANE MODELS
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05932-06 The role of lipoproteins in microbial calcification
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

MEMBRANE, MUCOUS MEMBRANE
SEE ALSO GASTROINTESTINAL SYSTEM, INTESTINES, MUCOSA
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
** R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
R01DE-04660-11 Keratohyalin in keratinization--Oral mucosa and skin (human)
R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis
R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)

MEMBRANE ATTACK COMPLEX
SEE IMMUNOLOGY, COMPLEMENT

MEMBRANE (BIOLOGICAL) STRUCTURE
SEE MEMBRANE, MEMBRANE (BIOLOGICAL) STRUCTURE

MEMBRANE FUSION
SEE MEMBRANE, MEMBRANE FUSION

MEMBRANE LIPIDS
SEE LIPIDS, MEMBRANE LIPIDS

MEMBRANE MODELS
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

MEMBRANE PERMEABILITY AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

MEMBRANE POTENTIALS
SEE ELECTROPOTENTIALS, MEMBRANE POTENTIALS

MEMBRANE PROTEINS
SEE PROTEINS, MEMBRANE PROTEINS

MEMBRANE RECEPTORS
SEE RECEPTORS OF NON-SENSORY STIMULI (GENERAL)

MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
SEE ALSO CELL ADHESION
SEE ALSO CELL-CELL INTERACTION, CELL AGGREGATION
SEE ALSO IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)
P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
** P50DE-02670-20 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03301-16 Connective tissues of the periodontium (human, dog)
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-05586-06 Cell surface studies of the enamel organ (mice)
R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
R01DE-05632-06 Development of salivary gland secretory function (rats)
** R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
** R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis
R23DE-07389-02 VIP receptors and submandibular gland function (rats)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme
R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

MEMBRANE SYNTHESIS AND RECONSTITUTION
** R01DE-07086-02 Development of artificial oral mucosa (rabbits)
** R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

MEMORY-RETENTION
SEE PSYCHOLOGY, LEARNING, MEMORY

MENSTRUAL CYCLE
SEE FERTILITY-INFERTILITY, SEX CYCLES, MENSTRUAL CYCLE

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

MENSTRUATION AND MENSTRUAL CYCLE
SEE FERTILITY-INFERTILITY, SEX CYCLES, MENSTRUAL CYCLE

MENTAL DISORDERS PREVENTION
SEE ALSO BEHAVIORAL MEDICINE
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)

MENTAL HEALTH
SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
SEE ALSO STRESS, PSYCHOSOCIAL STRESSORS
R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)

MENTAL HEALTH EPIDEMIOLOGY
** R01DE-06570-05 Psychosocial evaluation of craniofacial patients

MENTAL HEALTH SERVICES, COUNSELING
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)

MENTAL HEALTH SERVICES, COUNSELING, GROUP
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)

MERCURIALS
SEE METALS, HEAVY METALS, MERCURY (COMPOUNDS)

MERCURY (COMPOUNDS)
SEE METALS, HEAVY METALS, MERCURY (COMPOUNDS)

MERCURY POISONING
SEE METALS POISONING, MERCURY POISONING

MESENCEPHALON
SEE BRAIN, MESENCEPHALON

MESENCHYME
SEE CONNECTIVE TISSUE, MESENCHYME

MESOCRECITUS
SEE MAMMALS, RODENTS, MYOMORPHA, HAMSTERS*

MESSENGER RIBONUCLEIC ACID
SEE NUCLEIC ACIDS, MRNA

METABOLIC BONE DISEASE
SEE SKELETAL DISORDERS, BONE METABOLISM (GENERAL)

METABOLIC DISORDERS CHEMOTHERAPY
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES THERAPY
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
R23DE-06832-03 Experimental diabetes and periodontitis (monkeys)

METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** R01DE-04971-08 Salivary mucins and dental diseases (human)
** R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
R01DE-07201-01 Rat parotid exocytosis (also rabbits)
R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)

METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

METABOLIC DISORDERS INBORN, MARFAN SYNDROME
P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)

METABOLIC DISORDERS INBORN, OSTEOPETROSIS
** P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
** R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-07444-01 Tooth eruption and bone resorption (mice, rats)
** R23DE-07489-01 Pathogenesis of osteopetro-rickets in the toothless rat

METABOLIC DISORDERS INBORN, PSORIASIS
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

METABOLIC PROCESSES OF INTESTINAL MICROORGANISMS
SEE MICROORGANISMS METABOLISM

METAL CHELATES
SEE METAL COMPLEXES

METAL COMPLEXES
** R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

METAL COMPLEXES, LIGANDS
R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06945-04 Characterization of microbial lectins
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
R23DE-07389-02 VIP receptors and submandibular gland function (rats)

METAL METABOLISM
SEE ALSO IRON METABOLISM
R03DE-07716-01 In vivo mercury and methyl mercury levels

METAL OXIDES
R01DE-05460-06 Bonding of dental porcelain to non-precious alloys
R01DE-06374-05 Semi- and nonprecious metal-procelain systems
R03DE-07296-01 New technique for cement biocompatibility

METALLOPROTEINS, LACTOFERRIN
R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
** R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)

METALS, ALKALI METALS, LITHIUM
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries

METALS, ALKALINE EARTH METALS, MAGNESIUM
P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)
R01DE-05932-06 The role of lipoproteins in microbial calcification
R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)

METALS, ALKALINE EARTH METALS, STRONTIUM (COMPOUNDS)
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-04123-10 Formation/stability of apatites
R01DE-06569-05 Quantitation of enamel demineralization mechanisms

METALS, ALLOYS
SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
R01DE-03601-13 Effect of corrosion on dental amalgams
** R01DE-05460-06 Bonding of dental porcelain to non-precious alloys
** R01DE-06374-05 Semi- and nonprecious metal-procelain systems
** R01DE-06539-04 Breakdown of amalgam margins--A microstructural study
** R01DE-06672-04 Optimization of metal-ceramic restoration design
** R01DE-06996-02 Biological molecules in the corrosion of dental alloys
R01DE-07087-01 Dental investment burnout and expansion as effected by microwave
** R01DE-07216-01 Clinical and laboratory study of Cu-base dental alloys (animals)

METALS, ALUMINUM (COMPOUNDS)
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-06374-05 Semi- and nonprecious metal-procelain systems
** R01DE-07216-01 Clinical and laboratory study of Cu-base dental alloys (animals)

METALS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

METALS, HEAVY METALS, CADMIUM (COMPOUNDS)
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)
R01DE-05460-06 Bonding of dental porcelain to non-precious alloys
R01DE-06374-05 Semi- and nonprecious metal-procelain systems
R01DE-06672-04 Optimization of metal-ceramic restoration design

METALS, HEAVY METALS, COBALT (COMPOUNDS)
R01DE-06374-05 Semi- and nonprecious metal-procelain systems

METALS, HEAVY METALS, COPPER (COMPOUNDS)
P50DE-02668-20 0151 Regional dental research center - Clinical study of restorative materials
R01DE-06112-06 Filled sealant as a conservative restorative material (human)
R01DE-06539-04 Breakdown of amalgam margins--A microstructural study
R01DE-06720-03 Resistance of various restorative materials
** R01DE-07216-01 Clinical and laboratory study of Cu-base dental alloys (animals)
R03DE-07716-01 In vivo mercury and methyl mercury levels

METALS, HEAVY METALS, GOLD (COMPOUNDS)
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
R01DE-06672-04 Optimization of metal-ceramic restoration design

METALS, HEAVY METALS, MERCURY (COMPOUNDS)
SEE ALSO DENTAL MATERIALS, AMALGAM DENTAL
SEE ALSO METALS POISONING, MERCURY POISONING
R01DE-06539-04 Breakdown of amalgam margins--A microstructural study
** R01DE-07644-01 Evaluation of mercury release from dental amalgams
** R03DE-07716-01 In vivo mercury and methyl mercury levels

METALS, HEAVY METALS, MERCURY (COMPOUNDS), METHYL MERCURY
** R03DE-07716-01 In vivo mercury and methyl mercury levels

METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
R01DE-06374-05 Semi- and nonprecious metal-procelain systems

METALS, HEAVY METALS, NICKEL (COMPOUNDS)
R01DE-05460-06 Bonding of dental porcelain to non-precious alloys
R01DE-06374-05 Semi- and nonprecious metal-procelain systems
R01DE-06672-04 Optimization of metal-ceramic restoration design

METALS, HEAVY METALS, PALLADIUM (COMPOUNDS)
R01DE-06374-05 Semi- and nonprecious metal-procelain systems
R01DE-06672-04 Optimization of metal-ceramic restoration design

METALS, HEAVY METALS, SILVER (COMPOUNDS)
P50DE-02668-20 0191 Regional dental research center - Clinical study of restorative materials
R01DE-06374-05 Semi- and nonprecious metal-procelain systems
R01DE-06539-04 Breakdown of amalgam margins--A microstructural study
R01DE-06672-04 Optimization of metal-ceramic restoration design
R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)

METALS, HEAVY METALS, TIN (COMPOUNDS)
R01DE-06539-04 Breakdown of amalgam margins--A microstructural study

METALS, HEAVY METALS, TITANIUM (COMPOUNDS)
R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
R01DE-06300-04 porous polyethylene and porous polysulfone tooth roots (monkeys)
R01DE-06730-03 Dental implant surfaces impeding epithelial migration (rats)

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**Oriented significantly to above subject

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METALS, HEAVY METALS VANADIUM (COMPOUNDS)
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

METALS, HEAVY METALS, ZINC (COMPOUNDS)
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
P50DE-02670-20 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R23DE-06987-02 Study of surfactant use in restorative materials
R01DE-07216-01 Clinical and laboratory study of Cu-base dental alloys (animals)

METALS, METALLOIDS, SELENIUM (COMPOUNDS)
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

METALS, RARE EARTHS, LANTHANUM (COMPOUNDS)
R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)

METALS CARCINOGENESIS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, CHEMICAL

METALS POISONING, MERCURY POISONING
SEE ALSO METALS, HEAVY METALS, MERCURY (COMPOUNDS), METHYL MERCURY
** R01DE-06519-02 Dental amalgams contribution to blood mercury levels
** R01DE-07644-01 Evaluation of mercury release from dental amalgams
** R03DE-07716-01 In vivo mercury and methyl mercury levels
** R01DE-07754-01 Dissolution of mercury from dental amalgams

METAMORPHOSIS
SEE GROWTH AND DEVELOPMENT, METAMORPHOSIS

METHACRYLATES
SEE PLASTICS, ACRYLIC POLYMERS, METHACRYLATES

METHADONE
SEE PHENYLALKYLAMINES, METHADONE

METHANE BACTERIA
SEE BACTERIA, METHANOBACTERIACEAE*

METHANE BIOGENESIS IN BACTERIA
SEE MICROORGANISMS METABOLISM

METHANOBACTERIACEAE
SEE BACTERIA, METHANOBACTERIACEAE*

METHYLATION
SEE ALKYL (GROUPS), METHYLATION-DEMETHYLATION

METHYL MERCURY
SEE METALS, HEAVY METALS, MERCURY (COMPOUNDS), METHYL MERCURY

ALPHA-METHYL-4-(2-METHYLPROPYL)AENZENE ACETIC ACID
SEE PHENYLCARBOXYLATES, IBUPROFEN

2-METHYL-1,4,NAPHTHOQUINONE DERIVATIVES HAVING PHYLLOQUINONE ACTIVITY
SEE VITAMINS, VITAMIN K (GENERAL)

10-METHYLOCTADECANOIC ACID
SEE FATTY ACIDS

METHYLTESTOSTERONE
SEE ANDROSTANE SERIES, TESTOSTERONE

5-METHYLTOCOL
SEE VITAMINS, VITAMIN E, TOCOLS

8-METHYLTOCOL
SEE VITAMINS, VITAMIN E, TOCOLS

METHYLUREA
SEE AMIDES, UREA

METRONIDAZOLE
SEE IMIDAZOLES, METRONIDAZOLE

MG
SEE METALS, ALKALINE EARTH METALS, MAGNESIUM

MHC (LOCUS)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

MICE (LABORATORY)
SEE MAMMALS, RODENTS, MYOMORPHA, MICE (LABORATORY)*

MICROALGAL GENETICS
SEE GENETICS, MICROBIAL

MICROBIAL ANTIGENS
SEE IMMUNOLOGY, ANTIGENS MICROBIAL

MICROBIAL CULTURE
SEE GROWTH MICROORGANISMS, MICROBIAL CULTURE

MICROBIAL DEGRADATION OF AROMATIC COMPOUNDS
SEE MICROORGANISMS METABOLISM

MICROBIAL FERMENTATION
SEE MICROORGANISMS METABOLISM

MICROBIAL GENETICS
SEE GENETICS, MICROBIAL

MICROBIAL GROWTH
SEE GROWTH MICROORGANISMS

MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)
P50DE-02600-20 0037 Support for oral biology research center - Peridontal microflora (human)
P01DE-02847-18 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental proolem (human, rats, primates)
P01DE-02847-18 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
** R01DE-03488-15 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-05054-08 Periodontal disease--Microbiological studies (human)
** P50DE-05139-09 0001 Clinical research center for periodontal disease - Microbiology (human)
R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
P50DE-07009-03 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
** R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci
** R01DE-07128-03 Microbiology of ligature-induced periodontitis (monkeys)
R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)
** R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens
R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING
SEE ALSO IMMUNITY, CROSS IMMUNITY
** P50DE-02600-20 0035 Support for oral biology research center - Antigens of potential periodontal pathogens
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)

MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING AND IDENTIFICATION
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)
R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

MICROBIAL IMMUNOLOGY
SEE IMMUNOLOGY, MICROBIAL

MICROBIAL INTERACTION
SEE ALSO REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS
P50DE-02731-20 0034 Development support for dental research institute - Microbial biochemistry laboratory
R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)

MICROBIAL MATTS
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)

MICROBIAL METABOLISM
SEE MICROORGANISMS METABOLISM

MICROBIAL ORAL FLORA
SEE ALSO BACTERIA, ACTINOMYCETALES, ACTINOMYCES*
SEE ALSO BACTERIA, ACTINOMYCETALES, LEPTOTRICHIA*
SEE ALSO BACTERIA, BACTEROIDACEAE, BACTEROIDES*
SEE ALSO BACTERIA, BACTEROIDACEAE, BACTEROIDES MELANINOGENICUS*
SEE ALSO BACTERIA, BACTEROIDACEAE, FUSOBACTERIA*
SEE ALSO BACTERIA, GRAM-NEGATIVE, ACTINOBACILLUS
SEE ALSO BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS ACIDOPHILUS*
SEE ALSO BACTERIA, LACTOBACILLACEAE, LACTOBACILLUS CASEI*
SEE ALSO BACTERIA, NEISSERIACEAE, VEILLONELLA*
SEE ALSO BACTERIA, PSEUDOMONADALES, VIBRIO*
SEE ALSO BACTERIA, SPIROCHETES, TREPONEMA*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MUTANS*
SEE ALSO BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS
SEE ALSO DENTISTRY
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
** P50DE-02600-20 0035 Support for oral biology research center - Antigens of potential periodontal pathogens
** P50DE-02600-20 0037 Support for oral biology research center - Peridontal microflora (human)
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02600-20 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
** P50DE-02600-20 0047 Support for oral biology research center - Genetic aspects of periodontal diseases
** P50DE-02623-19 0009 Center for oral health research - Oral microorganisms in periodontal health and disease (human, rats)
** P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02623-19 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
** P50DE-02623-19 0034 Center for oral health research - Bacterial components inducing bone resroption
** P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--Induction and regulation
P50DE-02670-20 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
P50DE-02670-20 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)
P50DE-02731-20 0033 Development support for dental research institute - Epidemiology laboratory (human)
** P50DE-02731-20 0034 Development support for dental research institute - Microbial biochemistry laboratory
P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
M P01DE-02847-18 Microbial ecology and its relation to dental disease
** P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
** P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque-forming bacteria
** P01DE-02847-18 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
** P01DE-02847-18 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
** R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
** R01DE-03487-15 Inhibition of human cariogenic streptococci
R01DE-03488-15 Microbial composition of developing dental plaque (human, bacteria)
R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
R01DE-03739-14 Glycosyltransferases from oral bacteria
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
** R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04385-11 Mechanism of dental caries
R01DE-04486-09 Kinetics and mechanisms of action of fluorides (human)
R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
** R01DE-04529-10 Replacement therapy of dental caries (rats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
P50DE-04881-10 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
** P50DE-04881-10 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04881-10 0003 Clinical research in periodontal disease - Host immunologic response to oral microorganisms
P50DE-04881-10 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
M P50DE-04898-10 Periodontal disease research center
** P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
** P50DE-04898-10 0002 Periodontal disease research center - Host response in periodontal disease (human, rabbits, rats, mice)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
** R01DE-05054-08 Periodontal disease--Microbiological studies (human)
** P50DE-05139-09 0001 Clinical research center for periodontal disease - Microbiology (human)
** P50DE-05139-09 0002 Clinical research center for periodontal disease - Immunological investigations (human)
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
** R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
R01DE-05253-07 Measurements of enamel permeability as related to caries (human)
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05429-07 Adherence of periodontal disease-associated bacteria
R01DE-05476-06 Novel peptide derived sweeteners
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
** R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-05626-06 Role of complement in periodontal disease
** R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
R01DE-05817-06 Cellular mechanisms of collagen breakdown (human, animals)
** R01DE-05932-06 The role of lipoproteins in microbial calcification
R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
R01DE-06030-05 Metronidazole therapy in periodontal disease (human)
** R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
R01DE-06071-03 Calcium metabolism in Streptococcus mutans
** R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
** R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
R01DE-06103-04 Evaluation of four modalities of periodontal therapy
R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06127-04 Acid-base physiology of oral streptococci
R01DE-06153-05 Antibody to glucosyltransferase in adults and children
** R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
R01DE-06424-02 Development of oral tissues after early undernutrition (human)
R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
R01DE-06622-03 Molecular mechanisms of periodontal disease
R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06740-03 Human antibody responsiveness and dental caries
** R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)
** R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
R23DE-06832-03 Experimental diabetes and periodontitis (monkeys)
** R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
** R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R01DE-06945-04 Characterization of microbial lectins
** R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
** R01DE-06989-02 Neutrophil function in periodontal disease (human)
P50DE-07003-03 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)
P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans
P50DE-07003-03 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
** P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
M P50DE-07009-03 Specialized caries research centers
P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-03 0002 Specialized caries research centers - Microbial etiology of root surface caries (human, rats)
** P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** P50DE-07009-03 0004 Specialized caries research centers - Immunological aspects of root caries (human)
** P50DE-07009-03 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
P50DE-07009-03 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
P50DE-07009-03 0008 Specialized caries research centers - Dental materials (monkeys)
P50DE-07010-03 0004 Specialized caries research center - Carbohydrates in root caries
** P50DE-07010-03 0005 Specialized caries research center - Immunological investigation of root surface caries
** P50DE-07010-03 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents
** P50DE-07010-03 0007 Specialized caries research center - Bacterial interrelationships in an animal model (rats)
** P50DE-07010-03 0009 Specialized caries research center - Microbiological aspects of root surface caries
P50DE-07010-03 0010 Specialized caries research center - TSRLM project
P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
R23DE-07076-01 Human salivary peroxidase purification and properties (rabbits)
** R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
M P50DE-07117-02 Periodontal disease research center
P50DE-07117-02 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
** P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
** P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
** P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
** P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
R01DE-07128-03 Microbiology of ligature-induced periodontitis (monkeys)
** R01DE-07199-02 Adherence factors of oral streptococci (human)
** R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
** R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07257-03 IgA protease and dental caries
** R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor
R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)
R01DE-07376-02 Biochemical profile for gingival crevicular fluid
R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)
R01DE-07455-01 Prevention of root caries with fluoride (hamsters)
** R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)
R23DE-07473-01 Host processing of LPS in periodontitis (mice)
** R01DE-07493-01 Cariogenic potential of dental plaque fluid
** R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)
** R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)
** R03DE-07565-01 Ecological competition among oral streps
R03DE-07587-01 Antibody responses to IgA1 and IgG protease
** R01DE-07606-01 Complement and periodontal pathogenic microorganisms
** R23DE-07616-01 Flow cytometric analysis of oral actinobacillus
** R43DE-07707-01 Anti-calculus agents
** R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus
** R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)
R01DE-07760-01 Conformation of dental salivary molecules (human)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme
R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens
** R03DE-07856-01 Methanogenic bacteria in subgingival dental plaque (human)
** R03DE-07871-01 Production of capnocytophaga specific monoclonal antibodies (mice)
R03DE-07914-01 Enhanced polyclonal B cell activation by PMN lysates (human)
** R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)
** R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

MICROBIAL PHYSIOLOGY AND GENETICS STUDY SECTION
** R01DE-03606-17 Morphogenesis of bacteriophage Phi-29
** R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
** R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)
** R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
** R01DE-06071-03 Calcium metabolism in Streptococcus mutans
** R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci
** R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)

MICROBIAL POPULATION STUDIES
SEE POPULATION STUDIES MICROORGANISMS

MICROBIAL RESISTANCE TO DRUGS
SEE DRUGS RESISTANCE, MICROBIAL

MICROCIRCULATION
SEE CARDIOVASCULAR SYSTEM, MICROCIRCULATION

MICROCOMPUTER
SEE COMPUTER (GENERAL) INCL COMPUTER DATA PROCESSING (GENERAL)

MICROELECTRODES
SEE ELECTRODES, MICROELECTRODES*

MICROFILAMENTS
SEE CELL COMPONENTS, MICROFILAMENTS

MICROFLUOROMETRY-MICROPHOTOMETRY, FLOW
SEE CELL SORTING, LASER

MICROORGANISMS
SEE ALSO BACTERIA (GENERAL)*
SEE ALSO ENVIRONMENT, ECOLOGY ORGANISMS
SEE ALSO GENETICS, MICROBIAL
SEE ALSO GROWTH MICROORGANISMS
SEE ALSO MICROBIAL ORAL FLORA
SEE ALSO POPULATION STUDIES MICROORGANISMS
** R01DE-05932-06 The role of lipoproteins in microbial calcification

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

MICROORGANISMS, ANAEROBES
SEE ALSO BACTERIA, METHANOBACTERIACEAE*
SEE ALSO BACTERIA, NEISSERIACEAE, VEILLONELLA*
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02600-20 0045 Support for oral biology research center - Colonization by oral gram negative anaerobic bacteria
R01DE-06030-05 Metronidazole therapy in periodontal disease (human)
R01DE 06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-06989-02 Neutrophil function in periodontal disease (human)
R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
** R03DE-07856-01 Methanogenic bacteria in subgingival dental plaque (human)

MICROORGANISMS METABOLISM
SEE ALSO GROWTH MICROORGANISMS
SEE ALSO OXIDATION-REDUCTION
** R37DE-0422 12 Studies on the genetics of oral microflora (rabbits)
** R01DE-05932-06 The role of lipoproteins in microbial calcification
** R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
** R01DE-06071-03 Calcium metabolism in Streptococcus mutans
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)

MICROORGANISMS VIRULENCE
SEE ALSO BACTERIAL DISEASES, CYTOPATHOGENIC EFFECT BACTERIAL
SEE ALSO DRUGS RESISTANCE, MICROBIAL
SEE ALSO VIRUS DISEASE CHARACTERISTICS, CYTOPATHOGENIC EFFECT VIRAL
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
P01DE-02847-18 0022 Microbial ecology and its relation to dental disease - Cemental caries as a dental problem (human, rats, primates)
P01DE-02847-18 0023 Microbial ecology and its relation to dental disease - Microbiota associated with periodontal diseases (human, rats, hamsters)
** R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)
** R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)
** R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
** P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
** R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
** R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
** R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)

MICROPHONE, PROBE TUBE
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

MICROSOMES
SEE CELL COMPONENTS, MICROSOMES

MICROSPHERE THERAPY
SEE DRUGS, DRUG DELIVERY SYSTEMS

MICROSURGERY AND MICRODISSECTION
SEE SURGERY, MICROSURGERY AND MICRODISSECTION

MICROTUBULES
SEE CELL COMPONENTS, MICROTUBULES (GENERAL)

MICROWAVE HEATING
SEE TEMPERATURE, HEAT, MICROWAVE HEATING

MIDBRAIN
SEE BRAIN, MESENCEPHALON

MIDCHILDHOOD
SEE CHILDREN, MIDCHILDHOOD (6 TO 12 YRS)

MIDDLE AGE
SEE AGE (HUMAN) ADULT, MIDDLE AGE (45 TO 64 YRS)

MIGRAINE
SEE NEUROLOGIC MANIFESTATIONS, HEADACHE, MIGRAINE

MIGRATION, CELL
SEE CELL MIGRATION

MILK
SEE BODY FLUIDS, MILK

MILLIPORE-DOHP MEMBRANE
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

MINERAL BALANCE - METABOLISM
SEE CALCIUM (MINERAL) BALANCE (METABOLISM)

MINERAL METABOLISM DISORDERS
SEE CALCIUM (MINERAL) IMBALANCES

MINERALIZATION ENHANCING DRUGS
SEE CALCIFICATION ENHANCING AGENTS

MINERALIZATION INHIBITORS
SEE CALCIFICATION INHIBITORS

MINERALIZATION OF BONE
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL

MINERALS
SEE CHEMICALS (GENERAL), MINERALS (GENERAL)

MINERALS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

MITOCHONDRIA
SEE CELL COMPONENTS, MITOCHONDRIA

MITOGENIC FACTORS, PLANT
SEE PLANTS PROTEINS, LECTINS

MITOGENS
SEE ALSO PLANTS EXTRACTS, POKEWEED EXTRACTS
SEE ALSO PLANTS PROTEINS, LECTINS
P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
R23DE-07679-01 Role of osteogenic growth factor in bone healing (rabbits, rats)

MITOSIS
SEE CELL DIVISION, MITOSIS

MIXED LEUKOCYTE REACTION GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

MO
SEE METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)

MODEL CHANNEL
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

MODELS, BIOLOGICAL
SEE ALSO BIOLOGICAL TRANSPORT, MEMBRANE MODELS
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
R01DE-04164-09 Functional properties of rabbit jaw muscles (rabbit)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** R01DE-07755-01 Placental transfer of fluoride in the guinea pig

MODELS, CHEMICAL
P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06569-05 Quantitation of enamel demineralization mechanisms

MODELS, DESIGN AND DEVELOPMENT OF MODELS
** R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
** P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
** P50DE-07009-03 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
** R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
** R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)
** R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
** R03DE-07597-01 Craniofacial growth in giant transgenic mice
** R03DE-07877-01 Microcirculation of the hamster gingiva

MODELS, DISEASE MODELS
** P01DE-01697-24 0043 Developmental research in cleft palate - Chimpanzee model of SL-traction and perinatal midfacial growth
P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
R01DE-04529-10 Replacement therapy of dental caries (rats)
R23DE-06524-03 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
** P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07009-03 0007 Specialized caries research centers - Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters)
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
** R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
** R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)
** R01DE-07375-02 Dietary factors and root caries in animals (hamsters)
R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)
** R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)
** R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)
R23DE-07489-01 Pathogenesis of osteopetro-rickets in the toothless rat
R03DE-07568-01 Cyclosporine-A induced gingival overgrowth in beagles (dogs)
R03DE-07591-01 Mast cells in periodontal inflammation (mice)
** R03DE-07597-01 Craniofacial growth in giant transgenic mice
** R03DE-07877-01 Microcirculation of the hamster gingiva
R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

MODELS, GENETIC MODELS
** R03DE-07428-01 Twin half-sibs--A new genetic model for dental traits

MODELS, HEALTH CARE MODELS
R01DE-06417-03 Factors influencing long-term oral self-care (human)

MODELS, MATHEMATICAL
SEE ALSO COMPUTER SIMULATION
P50DE-02668-20 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-03953-12 Force systems from orthodontic appliances
R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
R01DE-05980-03 Stress analysis of mandibular partial dentures
R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
R01DE-06569-05 Quantitation of enamel demineralization mechanisms
** R01DE-06859-02 Biomechanics of the mandible (human)
R01DE-06881-04 Oral facial morphology and breathing--Quantitative studies (human)
P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
R43DE-07835-01 Computer aided dentistry

MODELS, PSYCHOLOGICAL MODELS
** R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)

MODELS, STRUCTURAL MODELS
SEE ALSO PROSTHESIS
R01DE-05354-09 Prevention of dental caries
R01DE-05980-03 Stress analysis of mandibular partial dentures
R23DE-07325-01 Orofacial coordination during feeding
** R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
** R43DE-07835-01 Computer aided dentistry

MODELS OF OR FOR HEALTH CARE SYSTEMS
SEE MODELS, HEALTH CARE MODELS

MOLECULAR AND CELLULAR BIOPHYSICS STUDY SECTION
** R43DE-07692-01 Surface behavior of mussel adhesive protein and analogs

MOLECULAR BASIS OF NEOPLASTIC DISEASE
SEE NEOPLASMS CHARACTERISTICS, MOLECULAR LEVEL STUDIES (GENERAL)

MOLECULAR BIOLOGY (GENERAL)
SEE ALSO NEOPLASMS CHARACTERISTICS, MOLECULAR LEVEL STUDIES (GENERAL)
P50DE-02623-19 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** P50DE-02670-20 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
** R01DE-06622-03 Molecular mechanisms of periodontal disease
R01DE-07207-01 Molecular mechanism of oral carcinogenesis (hamsters)
R03DE-07582-01 Effect of cyclosporine on human gingival fibroblasts

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R43DE-07707-01 Anti-calculus agents
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

MOLECULAR BIOLOGY STUDY SECTION
** R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)

MOLECULAR CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

MOLECULAR CONDENSATIONS, MONOMERS
R43DE-07543-01 Dental restoratives from polymers that expand when cured

MOLECULAR CONDENSATIONS, POLYMERIZATION-DEPOLYMERIZATION
** P50DE-02668-20 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-06201-02 Water sorption of glassy dental polymers
R23DE-07079-02 Effect of composition on fracture and creep of composite
R43DE-07532-01 New restorative dental resins
** R43DE-07543-01 Dental restoratives from polymers that expand when cured
R01DE-07675-01 Periodontosis-A PMN actin dysfunction syndrome

MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)
SEE ALSO MOLECULAR CONDENSATIONS, RESINS
** P50DE-02668-20 0149 Regional dental research center - Strengths of polymers in tooth restorative materials
P50DE-02670-20 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-03487-15 Inhibition of human cariogenic streptococci
R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis
** R01DE-06201-02 Water sorption of glassy dental polymers
** R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)
R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
** R43DE-07532-01 New restorative dental resins
** R43DE-07543-01 Dental restoratives from polymers that expand when cured
R43DE-07704-01 Long acting polymer/fluoride mouthrinse
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

MOLECULAR CONDENSATIONS, RESINS
SEE ALSO DENTAL MATERIALS, COMPOSITE RESINS
R01DE-02320-20 Clinical behavior of dental restorative materials (human)
** P50DE-02668-20 0191 Regional dental research center - Clinical study of restorative materials
R01DE-03246-17 Dynamic properties of the cytoskeleton
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)
R01DE-06120-03 Resistance of various restorative materials
R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
R23DE-07079-02 Effect of composition on fracture and creep of composite
R43DE-07832-01 New improved dental composites

MOLECULAR GENETICS
SEE GENETICS, BIOCHEMICAL GENETICS

MOLECULAR LEVEL STUDIES OF NEOPLASMS
SEE NEOPLASMS CHARACTERISTICS, MOLECULAR LEVEL STUDIES (GENERAL)

MOLECULAR POLARITY
R43DE-07532-01 New restorative dental resins

MOLECULAR STABILITY
SEE CHEMICAL STABILITY

MOLECULAR STRUCTURE
SEE CHEMICAL STRUCTURE

MOLECULAR STRUCTURE-BIOLOGICAL ACTIVITY
SEE CHEMICAL STRUCTURE--BIOLOGICAL ACTIVITY

MOLECULAR WEIGHT
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-06952-03 Enamel secretory matrix protease (cattle, rats)
** R03DE-07298-01 Low molecular weight salivary agglutinins
R43DE-07532-01 New restorative dental resins
R23DE-07679-01 Role of osteogenic growth factor in bone healing (rabbits, rats)
R01DE-08058-01 The adhesive of Mytilus byssus

MOLECULES, MACROMOLECULES
SEE ALSO MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
R01DE-05251-07 Salivary gland secretory mechanisms (rats)
** R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06954-02 Structural studies of matrix proteins in teeth and bone
** R01DE-07760-01 Conformation of dental salivary molecules (human)

MOLLUSKS, PELECYPODS*
** R43DE-07692-01 Surface behavior of mussel adhesive protein and analogs
** R01DE-08058-01 The adhesive of Mytilus byssus

MOLYBDENUM (COMPOUNDS)
SEE METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)

MONILIA ALBICANS
SEE FUNGI, YEASTS, CANDIDA ALBICANS*

MONILIASIS
SEE MYCOSES, MONILIASIS

MONITORING DEVICES
SEE BIOMEDICAL SYSTEMS AUTOMATED, MONITORING DEVICES

MONITORING DEVICES FOR PATIENT MONITORING
SEE BIOMEDICAL SYSTEMS AUTOMATED, PATIENT MONITORING (MONITORING DEVICES)

MONITORING OF PATIENTS (AUTOMATED)
SEE BIOMEDICAL SYSTEMS AUTOMATED, PATIENT MONITORING (MONITORING DEVICES)

MONOAMINE OXIDASE
SEE OXIDOREDUCTASES, MONOAMINE OXIDASE

MONOCLONAL ANTIBODIES
SEE IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES

MONOCYTES
SEE BLOOD CELLS, MONOCYTES

MONOMERS
SEE MOLECULAR CONDENSATIONS, MONOMERS

MONONUCLEAR PHAGOCYTE SYSTEM
SEE BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL SYSTEM (GENERAL)

MONONUCLEOSIS, INFECTIOUS
SEE BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, INFECTIOUS MONONUCLEOSIS

MORBIDITY STATISTICS
SEE POPULATION STUDIES HUMAN, MORBIDITY

MORPHINE RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS

MORPHINES
SEE ALKALOIDS, MORPHINES

MORPHOGENESIS
SEE GROWTH AND DEVELOPMENT, HISTOGENESIS

MORPHOLOGY (GENERAL)
SEE ALSO BODY PHYSICAL CHARACTERISTICS (GENERAL)
SEE ALSO NEUROANATOMY
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** R01DE-07332-02 Analysis of utility of implants in craniofacial research
** R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)
** R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)

MOTHER-CHILD INTERACTION
SEE FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION

MOTIVATION
SEE PSYCHOLOGY, MOTIVATION

MOTOR ACTIVITY
SEE PSYCHOMOTOR FUNCTION

MOTOR IMPULSES
SEE PSYCHOMOTOR FUNCTION

MOTOR NEURONS
SEE NEUROMOTOR SYSTEM, MOTOR NEURONS

MOTRIN
SEE PHENYLCARBOXYLATES, IBUPROFEN

MOUTH
SEE ORAL-PHARYNGEAL, MOUTH

MOUTH NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, MOUTH NEOPLASMS

MOUTHWASHES
SEE CONSUMER PRODUCTS, MOUTHWASHES

MOVEMENT PERCEPTION, BODY
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

MPD SYNDROME
SEE ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

MRNA
SEE NUCLEIC ACIDS, MRNA

MS-B
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

MUCIN
SEE PROTEOGLYCANS, MUCIN

MUCINASE
SEE CARBOHYDRASES, HYALURONIDASE

MUCOIDS
SEE PROTEOGLYCANS

MUCOLYTIC AGENTS
SEE RESPIRATORY DRUGS, EXPECTORANTS AND MUCOLYTICS

MUCOPEPTIDES
SEE PEPTIDOGLYCANS

MUCOPOLYSACCHARIDES
SEE POLYSACCHARIDES, GLYCOSAMINOGLYCANS

MUCOPROTEINS
SEE PROTEOGLYCANS

MUCOSA, ESOPHAGEAL
SEE ORAL-PHARYNGEAL, MUCOSA

MUCOSA, INTESTINAL
SEE GASTROINTESTINAL SYSTEM, INTESTINES, MUCOSA

MUCOSA, ORAL-PHARYNGEAL
SEE ORAL-PHARYNGEAL, MUCOSA

MUCOUS MEMBRANE
SEE MEMBRANE, MUCOUS MEMBRANE

MUCOVISCIDOSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

MULLERIAN DUCTS
SEE EMBRYOLOGY, EMBRYO-FETAL CELLS, TISSUES AND STRUCTURES

MULTIPLE DRUG THERAPY
SEE DRUGS, CHEMOTHERAPY, DRUGS COMBINATION

MULTIPLE SCLEROSIS
SEE NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS

MULTIPLE TREATMENT WITH DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

MUNICIPAL HEALTH PLANNING
SEE HEALTH CARE (SERVICES) (RESOURCES) PLANNING, REGIONAL MEDICAL PLANNING

MURAMIC ACID
SEE SUGAR ACIDS, MURAMIC ACID

MURAMIDASE
SEE CARBOHYDRASES, LYSOZYME

MUREIN
SEE PEPTIDOGLYCANS

MUSCARINIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

MUSCARINIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS

MUSCLE, VASCULAR
SEE CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE

MUSCLE CELLS
P01DE-01697-24 0044 Developmental research in cleft palate - Archive of normal and cleft palate fetal histology
R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)

MUSCLE CELLS, MYOBLASTS
R01DE-05905-05 Neural organization of complex muscles (swine)
R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)

MUSCLE CELLS, SARCOMERES
R01DE-04164-09 Functional properties of rabbit jaw muscles (rabbit)

(contd)

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R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)

MUSCLE CONTRACTION
SEE MUSCLE FUNCTION, MUSCLE CONTRACTION

MUSCLE FUNCTION
P50DE-02668-20 0214 Regional dental research center - Motor control during speech
** R01DE-04164-09 Functional properties of rabbit jaw muscles (rabbit)
** R01DE-05232-08 Musculoskeletal adaptation to increased midfacial height (monkeys)
** P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
P01DE-06946-03 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter
** R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
R23DE-07380-01 Effects of CNS lesions on mastication and skull form (rats)
** P01DE-07687-05 0005 Regeneration and transplantation of skeletal muscle - Electromyographic monitoring of autograft progress (cat, rat)
** P01DE-07687-05 0008 Regeneration and transplantation of skeletal muscle - Adaptation of autografts to physical conditioning (rat)
** R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)

MUSCLE FUNCTION, ELECTROMYOGRAPHY*
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)
** P01DE-07687-05 0005 Regeneration and transplantation of skeletal muscle - Electromyographic monitoring of autograft progress (cat, rat)

MUSCLE FUNCTION, MUSCLE CONTRACTION
R01DE-05232-08 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
R01DE-05905-05 Neural organization of complex muscles (swine)
** R23DE-06618-03 Properties of motor units in human mandibular muscles
P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)
R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
** R23DE-08110-01 Properties of motor units in human mandibular muscles

MUSCLE FUNCTION, MUSCLE STRESS
P01DE-06946-03 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter
R03DE-07519-01 Stress, malocclusion and masseter muscle activity

MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)
R01DE-06943-03 Central projections of MES V afferents (cats)

MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
SEE ALSO SKELETAL MOVEMENT, POSTURE
** R01DE-06943-03 Central projections of MES V afferents (cats)
R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
R03DE-07519-01 Stress, malocclusion and masseter muscle activity

MUSCLE FUNCTION, MUSCLE TENSION
R01DE-04164-09 Functional properties of rabbit jaw muscles (rabbit)
R01DE-04358-10 Treatment of temporomandibular joint pain (human)
R23DE-06618-03 Properties of motor units in human mandibular muscles
R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
R23DE-08110-01 Properties of motor units in human mandibular muscles

MUSCLE METABOLISM
P01DE-06946-03 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)

MUSCLE PROTEINS (AND CONTRACTILE PROTEINS)
** P01DE-07687-05 0006 Regeneration and transplantation of skeletal muscle - Control of protein synthesis in regenerating muscle (rat)

MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), ACTIN
** R01DE-07675-01 Periodontosis--A PMN actin dysfunction syndrome

MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), TUBULIN
R01DE-03246-17 Dynamic properties of the cytoskeleton

MUSCLE RELAXANTS
P01DE-06946-03 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)

MUSCLE STRESS
SEE MUSCLE FUNCTION, MUSCLE STRESS

MUSCLE STRETCH RECEPTORS
SEE MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)

MUSCLE STRETCH REFLEX
SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX

MUSCLE TENSION
SEE MUSCLE FUNCTION, MUSCLE TENSION

MUSCLE TRANSPLANTATION
M P01DE-07687-05 Regeneration and transplantation of skeletal muscle
** P01DE-07687-05 0003 Regeneration and transplantation of skeletal muscle - Reinnervation of skeletal muscle autografts (rats)
** P01DE-07687-05 0004 Regeneration and transplantation of skeletal muscle - Revascularization of skeletal muscle autografts (hamster, cat, dog, rats)
** P01DE-07687-05 0005 Regeneration and transplantation of skeletal muscle - Electromyographic monitoring of autograft progress (cat, rat)
** P01DE-07687-05 0008 Regeneration and transplantation of skeletal muscle - Adaptation of autografts to physical conditioning (rat)

MUSCLES
SEE ALSO NEUROMOTOR SYSTEM
SEE ALSO SKELETAL SYSTEM, TENDONS
** P01DE-07687-05 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regenerating muscle (rats)
** P01DE-07687-05 0002 Regeneration and transplantation of skeletal muscle - Synapse formation in regenerating muscle (rats)
** P01DE-07687-05 0006 Regeneration and transplantation of skeletal muscle - Control of protein synthesis in regenerating muscle (rat)
** P01DE-07687-05 0007 Regeneration and transplantation of skeletal muscle - Hormonal regulation of muscle regeneration (rat)
** P01DE-07687-05 9001 Regeneration and transplantation of skeletal muscle - Morphology core
** P01DE-07687-05 9002 Regeneration and transplantation of skeletal muscle - Physiology core

MUSCLES, FACIAL MUSCLES
P01DE-03610-20 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R01DE-04940-08 Muscular disorders in craniofacial malformations (human)
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-06638-03 Complete denture service psychophysiological criteria
** R01DE-06717-02 Jaw movements and masseter activity during chewing (human)
** P01DE-06946-03 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter
** R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
** R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
R03DE-07841-01 The prevalence of symptoms of T M disorders (human)

MUSCLES, GASTROCNEMIUS MUSCLE
P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)

MUSCLES, MYOFIBRILS
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
R01DE-05905-05 Neural organization of complex muscles (swine)
P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)

MUSCLES, STRIATED MUSCLE
R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
M P01DE-07687-05 Regeneration and transplantation of skeletal muscle
** P01DE-07687-05 0003 Regeneration and transplantation of skeletal muscle - Reinnervation of skeletal muscle autografts (rats)
** P01DE-07687-05 0004 Regeneration and transplantation of skeletal muscle - Revascularization of skeletal muscle autografts (hamster, cat, dog, rats)

MUSCULAR DISORDERS
SEE ALSO NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)
** R01DE-04940-08 Muscular disorders in craniofacial malformations (human)
R01DE-06856-03 Arthrophonometry of the temporomandibula joint (human)

MUSCULAR DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO MUSCLE FUNCTION, ELECTROMYOGRAPHY*
R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)

MUSCULOSKELETAL SYSTEM (GENERAL)
SEE SKELETAL SYSTEM (GENERAL)

MUTAGENS
SEE GENETICS, MUTAGENS

MUTANTS
SEE GENETICS, MUTATION, MUTANTS*

MUTATION
SEE GENETICS, MUTATION

MUTATION, RADIATION INDUCED
SEE GENETICS, RADIATION GENETICS

MUTON
SEE GENETICS, GENES

MYCOSES, MONILIASIS
SEE ALSO FUNGI, YEASTS, CANDIDA*
** R23DE-06524-03 The pathogenesis of chronic oral candidiasis in the rat
** R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)
** R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

MYELOBLASTOSIS VIRUS AVIAN
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

MYELOMA-SPLEEN CELL HYBRIDS
SEE CELL HYBRIDS, HYBRIDOMAS

MYELOPEROXIDASE
SEE PEROXIDASES, MYELOPEROXIDASE

MYELOPROLIFERATIVE DISORDERS (BONE MARROW)
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE

MYELOSIS BONE MARROW
SEE NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE

MYOBLASTS
SEE MUSCLE CELLS, MYOBLASTS

MYOCARDIAL INFARCT THERAPEUTIC AGENTS
SEE BLOOD COAGULATION, PLASMINOGEN ACTIVATORS

MYOFASCIAL PAIN-DYSFUNCTION SYNDROME
SEE ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

MYOFIBRILS
SEE MUSCLES, MYOFIBRILS

MYOGRAPHY, ELECTROMYOGRAPHY
SEE MUSCLE FUNCTION, ELECTROMYOGRAPHY*

MYONEURAL JUNCTION
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION

MYOTACTIC RECEPTORS
SEE MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)

MYOTACTIC REFLEX
SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX

MYRINGOPLASTY
SEE EAR SURGERY, MYRINGOPLASTY

N
SEE NITROGEN

N ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

NA
SEE SODIUM

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**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

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NAD (H2)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

NADP(H2)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

NALOXONE
SEE ALKALOIDS, MORPHINES, NALOXONE

NAMED GROUP OF PERSONS
SEE AGE (HUMAN), ADULT
SEE CHILD DEVELOPMENT, WEANLING
SEE CHILDREN
SEE FAMILY

NAPHTHYLAMINES, PROPRANOLOL
R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)

NARCOTICS
SEE PSYCHOPHARMACOLOGICAL AGENTS, NARCOTICS

NARCOTICS RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS

NASAL, NOSE
SEE ALSO NASAL DISORDERS, NOSE DISORDERS
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)
R03DE-07838-01 Phototransduction as a velopharyngeal biofeedback technique (human)

NASAL, PARANASAL SINUSES
R23DE-06874-03 Effect of intermaxillary fixation on skeletal relapse (monkeys)

NASAL AIRFLOW MEASUREMENTS
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

NASAL DISORDERS, NOSE DISORDERS
** R01DE-06881-04 Oral facial morphology and breathing--Quantitative studies (human)

NASAL DISORDERS, RHINITIS
R01DE-06881-04 Oral facial morphology and breathing--Quantitative studies (human)

NASOPHARYNGEAL NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, NASOPHARYNGEAL NEOPLASMS

NATURAL CYTOTOXICITY (IMMUNITY)
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

NATURAL KILLER CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NATURAL KILLER LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NATURAL PRODUCTS
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCED WITHOUT GENETIC MANIPULATION
SEE PLANTS EXTRACTS

NATURAL PRODUCTS PRODUCED BY GENETIC MANIPULATION
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION

NATURAL PRODUCTS PRODUCED WITHOUT GENETIC MANIPULATION
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCED WITHOUT GENETIC MANIPULATION

NECK NEOPLASMS
SEE NEOPLASMS OF BODY REGIONS, HEAD AND NECK

NECROCYTOSIS
SEE CELL DEATH

NECROSIS
SEE DISEASES, PATHOLOGIC PROCESSES, NECROSIS

NEGROES
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS

NEONATAL
SEE AGE (ANIMAL), INFANTS NEWBORN
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)

NEOPLASMS, CANCER COMPLICATIONS OF
** P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)

NEOPLASMS, CARCINOMA
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)

NEOPLASMS, CARCINOMA EPIDERMOID
P50DE-02731-20 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
R01DE-07207-01 Molecular mechanism of oral carcinogenesis (hamsters)
** R43DE-07539-01 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)
R03DE-07898-01 Spatially localized NMR of the oral cavity (human)

NEOPLASMS, RADIATION INDUCED
SEE ALSO NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, RADIATION
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASMS, SARCOMA
SEE ALSO NEOPLASMS OF CARDIOVASCULAR SYSTEM, KAPOSI SARCOMA
SEE ALSO NEOPLASMS OF SKELETAL SYSTEM, OSTEOGENIC SARCOMA
R03DE-07733-01 Generation of antiserum to PDGF synthetic peptides (rabbits)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

NEOPLASMS CHARACTERISTICS, CELLULAR LEVEL STUDIES (GENERAL)
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASMS CHARACTERISTICS, MOLECULAR LEVEL STUDIES (GENERAL)
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASMS CLASSIFICATION AND STAGING
** R01DE-07207-01 Molecular mechanism of oral carcinogenesis (hamsters)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

NEOPLASMS DIAGNOSIS
** R03DE-07898-01 Spatially localized NMR of the oral cavity (human)

NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS
SEE ALSO IMMUNITY, IMMUNOTHERAPY (GENERAL)
** R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
** R43DE-07539-01 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)

NEOPLASMS EPIDEMIOLOGY
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS

NEOPLASMS GENETICS
SEE ALSO GENETICS, GENES, ONCOGENES
SEE ALSO NEOPLASMS CHARACTERISTICS, MOLECULAR LEVEL STUDIES (GENERAL)
R01DE-07207-01 Molecular mechanism of oral carcinogenesis (hamsters)

NEOPLASMS IMMUNODIAGNOSIS
SEE NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS

NEOPLASMS IMMUNOLOGY
SEE ALSO NEOPLASMS DIAGNOSIS, IMMUNODIAGNOSIS OF NEOPLASMS
R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer

NEOPLASMS IMMUNOLOGY, TUMOR ANTIBODIES
** R43DE-07539-01 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)

NEOPLASMS OF BLOOD AND RE SYSTEM, BONE MARROW NEOPLASMS, MYELOPROLIFERATIVE
R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)

NEOPLASMS OF BLOOD AND RE SYSTEM, LYMPHOMA, BURKITT'S
SEE ALSO BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, INFECTIOUS MONONUCLEOSIS
SEE ALSO VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus

NEOPLASMS OF BODY REGIONS, HEAD AND NECK
SEE ALSO NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES
R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASMS OF CARDIOVASCULAR SYSTEM, KAPOSI SARCOMA
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES
R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
R01DE-07086-02 Development of artificial oral mucosa (rabbits)
** R01DE-07207-01 Molecular mechanism of oral carcinogenesis (hamsters)
** R43DE-07539-01 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, MOUTH NEOPLASMS
** R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)
** R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
** R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
R23DE-07796-01 Identification of mutagens in smokeless tobacco
** R03DE-07898-01 Spatially localized NMR of the oral cavity (human)

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, NASOPHARYNGEAL NEOPLASMS
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus

NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, SALIVARY GLAND NEOPLASMS
R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)

NEOPLASMS OF REPRODUCTIVE SYSTEM FEMALE, UTERUS NEOPLASMS, CERVIX NEOPLASMS
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer

NEOPLASMS OF SKELETAL SYSTEM, OSTEOGENIC SARCOMA
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues

NEOPLASMS OF SKIN
R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)

NEOPLASMS PREVENTION AND CONTROL
SEE ALSO NEOPLASMS DIAGNOSIS
SEE ALSO NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS
** R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)
R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)
R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)

NEOPLASMS RELATED INTEREST, PRENEOPLASTIC CONDITIONS
SEE ALSO GROWTH ABNORMAL, HYPERPLASIA (GENERAL)
R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)
R43DE-07539-01 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)

NEOPLASMS STAGING
SEE NEOPLASMS CLASSIFICATION AND STAGING

NEOPLASMS SURGERY
R01DE-07086-02 Development of artificial oral mucosa (rabbits)

NEOPLASTIC ANTIBODIES
SEE NEOPLASMS IMMUNOLOGY, TUMOR ANTIBODIES

NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS
R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS, CANCER RISK
** R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions
R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)

NEOPLASTIC THERAPY, CANCER CHEMOTHERAPY
** P50DE-02600-20 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)

NEOPLASTIC THERAPY, CANCER RADIOTHERAPY
SEE ALSO RADIOSENSITIZERS (GENERAL)
** R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
** P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)

NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER
R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)

NEOPLASTIC TRANSFORMATION
SEE ALSO GROWTH FACTORS (INCL ANABOLICS) TRANSFORMING GROWTH FACTORS
R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS (GENERAL)
R01DE-05395-07 Stem cells in oral mucosa (mice)
R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, CHEMICAL
R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)
** R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
** R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, RADIATION
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL
SEE ALSO GENETICS, GENES, ONCOGENES
SEE ALSO GROWTH FACTORS (INCL ANABOLICS) TRANSFORMING GROWTH FACTORS
P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
** R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
** R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)

NEOPLASTIC TRANSFORMATION, CARCINOGENS, CHEMICAL
** R01DE-07207-01 Molecular mechanism of oral carcinogenesis (hamsters)
R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions
** R23DE-07796-01 Identification of mutagens in smokeless tobacco

NEOPLASTIC TRANSFORMATION, CARCINOGENS, COCARCINOGENS
R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)
** R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)

NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS
R01DE-05395-07 Stem cells in oral mucosa (mice)
R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)

NEOSYNEPHRINE
SEE PHENOLIC AMINES, NEOSYNEPHRINE

NERVE CELLS
SEE NERVOUS SYSTEM, NEURONS

NERVE IMPULSE FACILITATION
SEE NEUROPHYSIOLOGY, NERVE IMPULSE FACILITATION

NERVE IMPULSE INHIBITION
SEE NEUROPHYSIOLOGY, NERVE IMPULSE INHIBITION

NERVE IMPULSE INITIATION
SEE NEUROPHYSIOLOGY, NERVE IMPULSE INITIATION

NERVE REGENERATION
SEE NERVOUS SYSTEM REGENERATION

NERVE TRANSMISSION
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION

NERVE TRANSMITTER SUBSTANCES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NERVES DEGENERATION
SEE NERVOUS DISORDERS, NERVES DEGENERATION

NERVOUS DISORDERS (GENERAL)
SEE ALSO NEUROLOGIC MANIFESTATIONS
SEE ALSO SENSORY-PERCEPTUAL DISORDERS, SENSORY DISORDERS
** P50DE-02668-20 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

NERVOUS DISORDERS, NERVES DEGENERATION
** R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)

NERVOUS DISORDERS CENTRAL (GENERAL)
** R23DE-07380-01 Effects of CNS lesions on mastication and skull form (rats)
** R13DE-07843-01 Symposium on effects of injury on somatosensory systems

NERVOUS DISORDERS CENTRAL, SPINAL CORD INJURIES
R13DE-07843-01 Symposium on effects of injury on somatosensory systems

NERVOUS DISORDERS CHEMOTHERAPY
SEE ALSO NEUROPHARMACOLOGY
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

NERVOUS DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO BRAIN ELECTRICAL ACTIVITY
SEE ALSO NEUROMOTOR DISORDERS DIAGNOSIS (INCL EXAMS)*
P50DE-02668-20 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)
P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)
P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)

NERVOUS DISORDERS PERIPHERAL
** R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
** R13DE-07843-01 Symposium on effects of injury on somatosensory systems

NERVOUS DISORDERS PERIPHERAL, NEURITIS
** P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
** P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)

NERVOUS SYSTEM, AFFERENT NERVES
** R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlates
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06943-03 Central projections of MES V afferents (cats)
** P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
** R03DE-07598-01 The neurovascular relationship of the dental pulp (dogs)
R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)
R01DE-07662-01 Trigeminal second-order structure-function relationships (rats)
R01DE-07695-02 Organization of cortical tooth representations (monkeys)

NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)

NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)

NERVOUS SYSTEM, AFFERENT NERVES, VISCERAL AFFERENT NERVES
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)

NERVOUS SYSTEM, CRANIAL NERVES
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)

NERVOUS SYSTEM, CRANIAL NERVES, ALVEOLAR NERVE INFERIOR (5)
R03DE-07744-01 Evaluation of sensory loss after mandibular osteotomy (human)

NERVOUS SYSTEM, CRANIAL NERVES, LARYNGEAL NERVES (10)
R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)

NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE (5)
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, ALVEOLAR NERVE INFERIOR (5)
R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06943-03 Central projections of MES V afferents (cats)
P01DE-06946-03 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ

NERVOUS SYSTEM, CRANIAL NERVES, TRIGEMINAL NERVE (5)
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, MANDIBULAR NERVE (5)
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
P50DE-02668-20 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
** R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlates
R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)
** R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)
R01DE-06717-02 Jaw movements and masseter activity during chewing (human)
P01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06943-03 Central projections of MES V afferents (cats)
** R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)
R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
** P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)
** R01DE-07620-02 Neural aspects of craniofacial morphogenesis (frogs)

NERVOUS SYSTEM, EFFERENT NERVES
SEE ALSO NERVOUS SYSTEM, NEUROEFFECTORS
SEE ALSO NEUROMOTOR SYSTEM
R01DE-06717-02 Jaw movements and masseter activity during chewing (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

♥ Grant has subproject(s) describing specific research aspects
See Appendix for investigator's name and Grant Number

NERVOUS SYSTEM, GANGLIA
R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)

NERVOUS SYSTEM, NERVE ENDINGS, SYNAPSES
R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R01DE-06943-03 Central projections of MES V afferents (cats)
** P01DE-07687-05 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regenerating muscle (rats)
** P01DE-07687-05 0002 Regeneration and transplantation of skeletal muscle - Synapse formation in regenerating muscle (rats)

NERVOUS SYSTEM, NERVES, INNERVATION (GENERAL)
** P01DE-01697-24 0045 Developmental research in cleft palate - Innervation of the human primary upper dentition
** R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)
R01DE-05905-05 Neural organization of complex muscles (swine)
R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
** P01DE-07687-05 0003 Regeneration and transplantation of skeletal muscle - Reinnervation of skeletal muscle autografts (rats)

NERVOUS SYSTEM, NEUROEFFECTORS
SEE ALSO NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION
** R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)

NERVOUS SYSTEM, NEURONS
SEE ALSO NEUROMOTOR SYSTEM, MOTOR NEURONS
** P50DE-02668-20 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)
** R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

NERVOUS SYSTEM, NEURONS, AXONS
R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
R01DE-07662-01 Trigeminal second-order structure-function relationships (rats)

NERVOUS SYSTEM, NEURONS, DENDRITES
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)

NERVOUS SYSTEM, PERIPHERAL NERVES (GENERAL)
SEE ALSO NERVOUS DISORDERS PERIPHERAL
P50DE-02668-20 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-05905-05 Neural organization of complex muscles (swine)
R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)

NERVOUS SYSTEM AUTONOMIC
** R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
P50DE-02668-20 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)

NERVOUS SYSTEM AUTONOMIC, PARASYMPATHETIC NERVOUS SYSTEM
SEE ALSO NERVOUS SYSTEM, CRANIAL NERVES, LARYNGEAL NERVES (10)
SEE ALSO NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
P50DE-02668-20 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)

NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC GANGLIA
R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)

NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC NERVOUS SYSTEM
SEE ALSO NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
P50DE-02668-20 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
** R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)

NERVOUS SYSTEM CENTRAL
SEE ALSO NERVOUS DISORDERS CENTRAL (GENERAL)
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
M P50DE-07509-01 Role of CNS adaptive mechanisms in orofacial sensation
** P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man

NERVOUS SYSTEM DEVELOPMENT
SEE NEUROLOGY, DEVELOPMENTAL

NERVOUS SYSTEM DISORDERS
SEE NERVOUS DISORDERS (GENERAL)

NERVOUS SYSTEM REGENERATION
R01DE-05905-05 Neural organization of complex muscles (swine)
** P01DE-07687-05 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regenerating muscle (rats)
** P01DE-07687-05 0003 Regeneration and transplantation of skeletal muscle - Reinnervation of skeletal muscle autografts (rats)

NETWORKS, SOCIAL
SEE SOCIAL SUPPORT NETWORKS

NEURAL CONDUCTION
SEE NEUROPHYSIOLOGY, NEURAL CONDUCTION

NEURAL CONTROL (MECHANISMS)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL ENCODING (MECHANISMS)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL PROCESSING AND CONTROL
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

NEURAL TRANSMISSION
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION

NEURAL TRANSMITTERS, BIOGENIC AMINES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEURAL TUBE AND PLATE DEFECTS
SEE CONGENITAL ABNORMALITIES, FUSION FAILURES

NEURAMINIDASE
SEE CARBOHYDRASES, NEURAMINIDASE

NEURITIS
SEE NERVOUS DISORDERS PERIPHERAL, NEURITIS

NEUROANATOMY
SEE ALSO BRAIN MAPPING
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
** R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06943-03 Central projections of MES V afferents (cats)
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
** R01DE-07662-01 Trigeminal second-order structure-function relationships (rats)
R01DE-07695-02 Organization of cortical tooth representations (monkeys)

NEUROCHEMISTRY
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)

NEUROEFFECTORS
SEE NERVOUS SYSTEM, NEUROEFFECTORS

NEUROGENESIS
SEE NEUROLOGY, DEVELOPMENTAL, NEUROGENESIS

NEUROHUMORS (GENERAL)
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROJUICE
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROLEPTICS
SEE PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS

NEUROLOGIC EXAMINATIONS
SEE NERVOUS DISORDERS DIAGNOSIS (INCL EXAMS)*

NEUROLOGIC MANIFESTATIONS
** R13DE-07843-01 Symposium on effects of injury on somatosensory systems

NEUROLOGIC MANIFESTATIONS, HEADACHE
P01DE-06946-03 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preorthodontic patients
** P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)

NEUROLOGIC MANIFESTATIONS, HEADACHE, MIGRAINE
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)

NEUROLOGIC MANIFESTATIONS, SLEEP DISORDERS
** R03DE-07419-01 Growth hormone--Craniofacial malformations, sleep apnea (human)

NEUROLOGICAL DISEASES
SEE NERVOUS DISORDERS (GENERAL)

NEUROLOGICAL DISORDERS PROGRAM PROJECT REVIEW B COMMITTEE
M P01DE-07687-05 Regeneration and transplantation of skeletal muscle

NEUROLOGICAL SCIENCES STUDY SECTION
** R01DE-05369-08 Factors affecting dental postoperative pain (human)
** R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
** R01DE-06894-02 Nitrous oxide and endorphins (rats)
** R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
** R01DE-07662-01 Trigeminal second-order structure-function relationships (rats)
** R01DE-07695-02 Organization of cortical tooth representations (monkeys)

NEUROLOGY, DEVELOPMENTAL
SEE ALSO CHILD MENTAL DEVELOPMENT
R13DE-07843-01 Symposium on effects of injury on somatosensory systems

NEUROLOGY, DEVELOPMENTAL, NEUROGENESIS
SEE ALSO NERVOUS SYSTEM REGENERATION
** R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
** R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)

NEUROLOGY A STUDY SECTION
** R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)

NEUROLOGY B STUDY SECTION
** R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

...contd

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-06943-03 Central projections of MES V afferents (cats)
** R13DE-07843-01 Symposium on effects of injury on somatosensory systems

NEUROMODULATORS
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
** R01DE-04940-08 Muscular disorders in craniofacial malformations (human)

NEUROMOTOR DISORDERS, SPASM
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
P01DE-06946-03 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter

NEUROMOTOR DISORDERS, TARDIVE DYSKINESIA
** R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

NEUROMOTOR DISORDERS DIAGNOSIS (INCL EXAMS)*
P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
** R03DE-07744-01 Evaluation of sensory loss after mandibular osteotomy (human)

NEUROMOTOR EXAMINATIONS
SEE NEUROMOTOR DISORDERS DIAGNOSIS (INCL EXAMS)*

NEUROMOTOR SYSTEM
SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
SEE ALSO PSYCHOMOTOR FUNCTION
** R23DE-06618-03 Properties of motor units in human mandibular muscles
** R23DE-08110-01 Properties of motor units in human mandibular muscles

NEUROMOTOR SYSTEM, MOTOR NEURONS
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-05717-02 Jaw movements and masseter activity during chewing (human)
R01DE-06943-03 Central projections of MES V afferents (cats)

NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)
** P50DE-02668-20 0214 Regional dental research center - Motor control during speech
** P01DE-03610-20 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
** R01DE-05905-05 Neural organization of complex muscles (swine)
** R23DE-06618-03 Properties of motor units in human mandibular muscles
** R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
P01DE-07687-05 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regeneratng muscle (rats)
P01DE-07687-05 0002 Regeneration and transplantation of skeletal muscle - Synapse formation in regenerating muscle (rats)
** R23DE-08110-01 Properties of motor units in human mandibular muscles

NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION
R01DE-04164-09 Functional properties of rabbit jaw muscles (rabbit)

NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)
** R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
M P50DE-07509-01 Role of CNS adaptive mechanisms in orofacial sensation
P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
** P50DE-07509-01 0002 Role of CNS adaptive mechanisms in orofacial sensation - Dynamic influences of somatosensory cortical neurons (monkeys)
** P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
** P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)
** P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)
R01DE-07695-02 Organization of cortical tooth representations (monkeys)
** R13DE-07843-01 Symposium on effects of injury on somatosensory systems

NEUROMUSCULAR ASPECTS
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)

NEUROMUSCULAR DISORDERS
SEE NEUROMOTOR DISORDERS, NEUROMUSCULAR (GENERAL)

NEUROMUSCULAR JUNCTION
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR JUNCTION

NEUROMUSCULAR SYSTEM
SEE NEUROMOTOR SYSTEM, NEUROMUSCULAR ASPECTS (GENERAL)

NEURONS
SEE NERVOUS SYSTEM, NEURONS

NEUROPATHOLOGY
SEE NERVOUS DISORDERS (GENERAL)

NEUROPEPTIDES
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

NEUROPHARMACOLOGICAL AGENTS, ANALGESICS
SEE ALSO PSYCHOPHARMACOLOGICAL AGENTS, NARCOTICS
** R01DE-05369-08 Factors affecting dental postoperative pain (human)
R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06894-02 Nitrous oxide and endorphins (rats)
** P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)
R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)
R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

NEUROPHARMACOLOGICAL AGENTS, ANESTHETICS, LOCAL
** R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)

NEUROPHARMACOLOGICAL AGENTS, ANTICONVULSANTS
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-06541-04 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC
SEE ALSO CHOLINE, ACETYLCHOLINE
SEE ALSO IMIDAZOLES, HISTAMINE
SEE ALSO NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
R01DE-05249-07 Salivary secretion - role of calcium (mice)
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC
SEE ALSO BENZOPYRROLES, SEROTONIN
SEE ALSO CARDIOVASCULAR AGENTS, VASOPRESSORS
SEE ALSO NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE
R01DE-05249-07 Salivary secretion - role of calcium (mice)
R01DE-05369-08 Factors affecting dental postoperative pain (human)
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)
** R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC ALPHA
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-07341-02 Second messenger function in exocrine glands (rats)

NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC, ADRENERGIC BETA
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07341-02 Second messenger function in exocrine glands (rats)

NEUROPHARMACOLOGY
SEE ALSO NERVOUS DISORDERS CHEMOTHERAPY
P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlatae
R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-06894-02 CNS modulation of orofacial input to the neucleus of V (rats, mice)
** R01DE-06894-02 Nitrous oxide and endorphins (rats)
** R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
P50DE-07509-01 0002 Role of CNS adaptive mechanisms in orofacial sensation - Dynamic influences of somatosensory cortical neurons (monkeys)
P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)
R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

NEUROPHYSIOLOGY (GENERAL)
SEE ALSO BRAIN ELECTRICAL ACTIVITY
SEE ALSO ELECTROPHYSIOLOGY
SEE ALSO INFORMATION PROCESSING AND CONTROL (NEURAL)
** P50DE-02668-20 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)
R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)
** R01DE-06943-03 Central projections of MES V afferents (cats)
R23DE-07380-01 Effects of CNS lesions on mastication and skull form (rats)
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
** P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)
** R01DE-07662-01 Trigeminal second-order structure-function relationships (rats)
P01DE-07687-05 0005 Regeneration and transplantation of skeletal muscle - Electromyographic monitoring of autograft progress (cat, rat)
** P01DE-07687-05 9002 Regeneration and transplantation of skeletal muscle - Physiology core
R01DE-07695-02 Organization of cortical tooth representations (monkeys)

NEUROPHYSIOLOGY, NERVE IMPULSE FACILITATION
P50DE-02668-20 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey

NEUROPHYSIOLOGY, NERVE IMPULSE INHIBITION
P50DE-02668-20 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

NEUROPHYSIOLOGY, NERVE IMPULSE INITIATION
P50DE-02668-20 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey
R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

NEUROPHYSIOLOGY, NEURAL CONDUCTION
P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)

NEUROPHYSIOLOGY, NEURAL TRANSMISSION
SEE ALSO ELECTROPOTENTIALS, ACTION POTENTIALS
SEE ALSO ELECTROPOTENTIALS, EVOKED POTENTIALS
P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlatae
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R01DF-06913-04 Modulating role of prostaglandins in salivary glands (rats)
** R03DE-07598-01 The neurovascular relationship of the dental pulp (dogs)
P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)

NEUROPHYSIOLOGY, NEURAL TRANSMISSION, ANTIDROMIC IMPULSES
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
R01DE-06943-03 Central projections of MES V afferents (cats)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

NEUROPHYSIOLOGY, NEUROPLASTICITY
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-04942-07 Teeth and trigeminal pathways (cats, monkeys)
M P50DE-07509-01 Role of CNS adaptive mechanisms in orofacial sensation
** P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
** P50DE-07509-01 0002 Role of CNS adaptive mechanisms in orofacial sensation - Dynamic influences of somatosensory cortical neurons (monkeys)
** P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)
P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)
P01DE-07687-05 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regenerating muscle (rats)
R13DE-07843-01 Symposium on effects of injury on somatosensory systems

NEUROPHYSIOLOGY, REFLEX
SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
** R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)

NEUROPHYSIOLOGY, REFLEX, SOMATIC REFLEXES
** P50DE-02668-20 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey

NEUROPLASTICITY
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

NEUROPSYCHOLOGY (GENERAL)
SEE PSYCHOLOGY, NEUROPSYCHOLOGY (GENERAL)

NEUROREGULATORS
SEE NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)

NEUROSURGERY, DENERVATION (GENERAL)
** P01DE-06946-03 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ

NEUROTENSIN
SEE PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN

NEUROTRANSMISSION
SEE NEUROPHYSIOLOGY, NEURAL TRANSMISSION

NEUROTRANSMITTERS AND NEUROMODULATORS (GENERAL)
SEE ALSO BENZOPYRROLES, SEROTONIN
SEE ALSO CHOLINE, ACETYLCHOLINE
SEE ALSO DICARBOXYLIC AMINO ACIDS, ASPARTIC ACID
SEE ALSO DICARBOXYLIC AMINO ACIDS, GLUTAMATES
SEE ALSO IMIDAZOLES, HISTAMINE
SEE ALSO PEPTIDES, ENKEPHALIN
SEE ALSO PEPTIDES, SUBSTANCE P
SEE ALSO PEPTIDES, VASOACTIVE PEPTIDES, VASOACTIVE INTESTINAL POLYPEPTIDE
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE
SEE ALSO PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
R23DE-07389-02 VIP receptors and submandibular gland function (rats)

NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES
R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
** R01DE-06894-02 Nitrous oxide and endorphins (rats)

NEUROTRANSMITTERS RECEPTORS
** R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
** R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
R01DE-05269-08 Factors affecting dental postoperative pain (human)
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, ALPHA RECEPTORS
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, BETA RECEPTORS
R01DE-04897-06 Functional development of salivary glands (rats)
** R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-07201-01 Rat parotid exocytosis (also rabbits)
R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)

NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS, DOPAMINERGIC RECEPTORS
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)

NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)

NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
** P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)
** R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

NEUTROPHIL CHEMOTACTIC FACTOR (NIF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, CHEMOTACTIC FACTORS

NEUTROPHIL LEUKOCYTES
SEE BLOOD CELLS, LEUKOCYTES, NEUTROPHILS

NEUTROPHIL-MEDIATED CYTOTOXICITY
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

NEWBORN
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)

NEWBORN INFANT ANIMALS
SEE AGE (ANIMAL), INFANTS NEWBORN

NI
SEE METALS, HEAVY METALS, NICKEL (COMPOUNDS)

NICKEL (COMPOUNDS)
SEE METALS, HEAVY METALS, NICKEL (COMPOUNDS)

NICOTIANA
SEE CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS

NICOTINAMIDE ADENINE DINUCLEOTIDE PHOSPHATE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

NICOTINAMIDE ADENINE DINUCLEOTIDE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)

NICOTINE
SEE PYRIDINES, NICOTINE

NICOTINIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, CHOLINERGIC RECEPTORS

NIFEDIPINE
SEE PYRIDINE CARBOXYLIC ACIDS, NIFEDIPINE

NITROGEN
*R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)

NITROUS ACID
R01DE-05129-09 Improvement of preventive and restorative materials (monkeys)

NITROUS OXIDE
** R01DE-06894-02 Nitrous oxide and endorphins (rats)
** R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)

NK-CELLS
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NMR IMAGING
SEE OPTICS, NMR IMAGING

NONCHROMOSOMAL DNA, GENETICS, INHERITANCE
SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE

NONINSULIN-DEPENDENT DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, NONINSULIN-DEPENDENT DIABETES

NON-INVASIVE DIAGNOSIS (DIAGNOSTIC TECHNIQUES)
SEE DIAGNOSTIC TESTS, NON-INVASIVE*

NON-MAMMALIAN EMBRYOLOGY
SEE EMBRYOLOGY, NON-MAMMALIAN EMBRYOLOGY

NORADRENALINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

NOREPINEPHRINE
SEE PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE

NORMORPHINE
SEE ALKALOIDS, MORPHINES

NORTRYPTYLINE
SEE CYCLOHEPTANES, NORTRYPTYLINE

NOSE
SEE NASAL, NOSE

NOSE DISORDERS
SEE NASAL DISORDERS, NOSE DISORDERS

NUCLEAR MAGNETIC RESONANCE IMAGING
SEE OPTICS, NMR IMAGING

NUCLEASES, CYCLIC NUCLEOTIDE PHOSPHODIESTERASE
R01DE-07341-02 Second messenger function in exocrine glands (rats)

NUCLEI, BRAIN
SEE BRAIN, MESENCEPHALON, RAPHE NUCLEUS, DORSAL
SEE BRAIN, RHOMBENCEPHALON, PONS, TRIGEMINAL NUCLEUS (SPINAL)

NUCLEIC ACID-AMINO ACID COMPLEXES (PEPTIDE SYNTHESIS)
SEE AMINO ACYL TRNA

NUCLEIC ACIDS, COMPLEMENTARY DNA
P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
R43DE-07823-01 Microbial production of protein adhesive (mussels)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

NUCLEIC ACIDS, DNA
SEE ALSO GENETICS, EXTRACHROMOSOMAL INHERITANCE
SEE ALSO NUCLEIC ACIDS SYNTHESIS, DNA
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
P50DE-02670-20 0040 Institute of dental research - Streptococcus mutans strains common to mother and child (mammals)
** P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-05395-07 Stem cells in oral mucosa (mice)
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)

NUCLEIC ACIDS, DNA BACTERIAL
R01DE-07126-03 Molecular taxonomy of non-nemolytic streptococci
** R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens

NUCLEIC ACIDS, DNA PROBE
** P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
R01DE-07126-03 Molecular taxonomy of non-hemolytic streptococci

(contd)

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**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
** R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens

NUCLEIC ACIDS, DNA VIRAL
SEE ALSO GENETICS, GENES, ONCOGENES
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

NUCLEIC ACIDS, RNA
SEE ALSO NUCLEIC ACIDS SYNTHESIS, RNA
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)

NUCLEIC ACIDS, MRNA
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02600-20 0023 Support for oral biology research center - Regulation of antibody response (mice)
P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
R01DE-03301-16 Connective tissues of the periodontium (human, dog)
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
** R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
R01DE-07637-01 Differentiation and growth of salivary glands (mice)
R43DE-07707-01 Anti-calculus agents
R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)
R43DE-07823-01 Microbial production of protein adhesive (mussels)
R03DE-07851-01 Amylase regulation in human salivary glands
R03DE-07852-01 TCDD alteration in gene expression and cleft palate (mice)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

NUCLEIC ACIDS, SYNTHETIC NUCLEIC ACIDS, HYBRID NUCLEIC ACIDS
SEE ALSO NUCLEIC ACIDS, COMPLEMENTARY DNA
SEE ALSO NUCLEIC ACIDS, DNA PROBE
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
R43DE-07819-01 DNA probes for the diagnosis of periodontal pathogens
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)
R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

NUCLEIC ACIDS CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

NUCLEIC ACIDS METABOLISM
SEE ALSO NUCLEIC ACIDS REPAIR
SEE ALSO NUCLEOTIDES METABOLISM
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-05249-07 Salivary secretion - role of calcium (mice)

NUCLEIC ACIDS REPAIR
R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-06622-03 Molecular mechanisms of periodontal disease

NUCLEIC ACIDS STRUCTURE, NUCLEOSIDES (TIDES) SEQUENCE
** P01DE-02848-16 0012 Biology of connective tissue, bones, and teeth - Molecular genetics of dentine (mice)
R37DE-03258-15 Molecular genetic analysis of S mutans cariogenicity
R01DE-03606-17 Morphogenesis of bacteriophage Phi-29
R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
P50DE-07003-03 0003 Rochester caries research center - Genetics of Streptococcus mutans
P50DE-07118-02 0006 Periodontal diseases research center - Molecular probes to study Actinobacillus actinomycetemcomitans infection
R01DE-07378-02 Human osteoclast-activating factor (mice, rats)
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
R43DE-07823-01 Microbial production of protein adhesive (mussels)
R03DE-07852-01 TCDD alteration in gene expression and cleft palate (mice)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)
** R01DE-07943-01 Herpes virus sequences that inhibit gene transfection
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

NUCLEIC ACIDS SYNTHESIS, DNA
SEE ALSO GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION
SEE ALSO NUCLEIC ACIDS REPAIR
** R01DE-03606-17 Morphogenesis of bacteriophage Phi-29
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
R01DE-07637-01 Differentiation and growth of salivary glands (mice)
** R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions
R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

NUCLEIC ACIDS SYNTHESIS, RNA
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION
R23DE-07391-02 Insulin and protein synthesis in the rat gland

NUCLEOPHILIC SUBSTITUTION
SEE CHEMICAL REACTIONS, SUBSTITUTION, NUCLEOPHILIC

NUCLEOSIDE MONOPHOSPHATES CYCLIC
SEE NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC

NUCLEOSIDE PHOSPHATES ANALOGS
SEE NUCLEOTIDES ANALOGS, NUCLEOSIDE PHOSPHATES ANALOGS

NUCLEOSIDES (TIDES) SEQUENCE
SEE NUCLEIC ACIDS STRUCTURE, NUCLEOSIDES (TIDES) SEQUENCE

NUCLEOTIDES, DEOXYRIBONUCLEOSIDE TRIPHOSPHATES
** R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)

NUCLEOTIDES, NUCLEOSIDE MONOPHOSPHATES CYCLIC
SEE ALSO PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC
SEE ALSO PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R01DE-07341-02 Second messenger function in exocrine glands (rats)

NUCLEOTIDES, RIBONUCLEOTIDES
P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus

NUCLEOTIDES ANALOGS, NUCLEOSIDE PHOSPHATES ANALOGS
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)

NUCLEOTIDES METABOLISM
** R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)

NUCLEOTIDYL-CYCLASES, ADENYLATE CYCLASE
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
** R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-07341-02 Second messenger function in exocrine glands (rats)

NUCLEOTIDYL-CYCLASES, GUANYLATE CYCLASE
R01DE-07341-02 Second messenger function in exocrine glands (rats)

NUDE MICE
SEE MAMMALS, RODENTS, MYOMORPHA, ATHYMIC MICE (NUDE)*

NULL (NUL) LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

NUPRIN
SEE PHENYLCARBOXYLATES, IBUPROFEN

NURSING HOMES
SEE HEALTH CARE FACILITIES, NURSING HOMES

NUTRASWEET
SEE FOOD, SWEETENING AGENTS

NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR
** R23DE-07325-01 Orofacial coordination during feeding

NUTRIENTS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)

NUTRITION (GENERAL)
SEE ALSO FOOD
SEE ALSO GROWTH MEDIA
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

NUTRITION, DEVELOPMENTAL NUTRITION
SEE ALSO NUTRITION, MATERNAL-FETAL NUTRITION
** R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)

NUTRITION, DIET
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries

NUTRITION, DIET PATHOGENIC
R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)
P50DE-07009-03 0008 Specialized caries research centers - Dental materials (monkeys)

NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)
R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)

NUTRITION, DIETARY CONSTITUENTS (GENERAL)
SEE ALSO GASTROINTESTINAL FUNCTION, ABSORPTION-TRANSPORT, DIETARY NUTRIENTS
** P01DE-01850-23 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
** P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
R01DE-06519-02 Dental amalgams contribution to blood mercury levels
R01DE-06953-03 Hydroxyproline levels in periodontal health and disease (dogs)
R23DE-07182-02 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
R03DE-07317-01 Ability of thiophenes to inhibit alveolar bone loss in vivo (hamsters, rats)
** R01DE-07375-02 Dietary factors and root caries in animals (hamsters)
R01DE-07493-01 Cariogenic potential of dental plaque fluid
** R03DE-07714-01 Biochemical responses in plaque fluid to reference foods

NUTRITION, DIETARY CONSTITUENTS, DIETARY CALCIUM
** P01DE-01850-23 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)
R01DE-07375-02 Dietary factors and root caries in animals (hamsters)

NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-06424-02 Development of oral tissues after early undernutrition (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
R01DE-07375-02 Dietary factors and root caries in animals (hamsters)

NUTRITION, DIETARY CONSTITUENTS, DIETARY IRON
R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)

NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS
R01DE-07375-02 Dietary factors and root caries in animals (hamsters)

NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS
SEE ALSO METALS, HEAVY METALS, CADMIUM (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, CHROMIUM (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, COBALT (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, COPPER (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, MOLYBDENUM (COMPOUNDS)
SEE ALSO METALS, HEAVY METALS, ZINC (COMPOUNDS)
SEE ALSO METALS, METALLOIDS, SELENIUM (COMPOUNDS)
P01DE-01850-23 0071 Nutritional sources and metabolic roles of fluoride - Daily dietary fluoride intake of children and young adults
** P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06569-05 Quantitation of enamel demineralization mechanisms
R01DE-07375-02 Dietary factors and root caries in animals (hamsters)

NUTRITION, MATERNAL-FETAL NUTRITION
** R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)

NUTRITION STUDY SECTION
** R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)

NUTRITION THERAPY (CANCER AND PRENEOPLASTIC CONDITIONS)
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

NUTRITION THERAPY (NUTRITIONAL DISORDERS)
SEE NUTRITIONAL DISORDERS CHEMOTHERAPY

NUTRITIONAL ABNORMALITIES
** P01DE-06946-03 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)

NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS
** P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)

NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
R01DE-03413-07 Bone resorption in periodontal disease (hamster, mice)
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)

NUTRITIONAL ABNORMALITIES, MALNUTRITION (GENERAL)
SEE ALSO NUTRITION, DIET PATHOGENIC
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** R01DE-06424-02 Development of oral tissues after early undernutrition (human)

NUTRITIONAL DISORDERS CHEMOTHERAPY
SEE ALSO NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)

NUTRITIONAL REQUIREMENTS
P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice

NUTRITIONAL REQUIREMENTS, DIETARY SUPPLEMENTS
R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)

NUTRITIONAL THERAPY (CANCER AND PRENEOPLASTIC CONDITIONS)
SEE NEOPLASTIC THERAPY, NUTRITIONAL THERAPY OF CANCER

NUTRITIONAL THERAPY (NUTRITIONAL DISORDERS)
SEE NUTRITIONAL DISORDERS CHEMOTHERAPY

NYSTATIN
SEE ANTIBIOTICS, NYSTATIN

OAF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR

OCCUPATIONAL DISEASES
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES

OCCUPATIONAL HAZARDS
SEE OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS

OCCUPATIONAL HEALTH, OCCUPATIONAL DISEASES
SEE ALSO OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus

OCCUPATIONAL HEALTH, OCCUPATIONAL HAZARDS
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus

OCCUPATIONS, JOB PERFORMANCE
** R01DE-05497-05 Dental disease and work loss (human)

9,12,15-OCTADECATRIENOIC ACID
SEE FATTY ACIDS, UNSATURATED, LINOLENIC ACID

ODONTOBLASTS
SEE DENTAL STRUCTURE, ODONTOBLASTS

OFFSPRING-MOTHER INTERACTION
SEE FAMILY, PARENT-OFFSPRING, MOTHER-CHILD INTERACTION

OKMI LYMPHOCYTES
SEE BLOOD CELLS, LYMPHOCYTES, KILLER CELLS

OLD AGE
SEE AGE (HUMAN), ADULT, OLD AGE (65 TO 99 YRS)

OLIGOPEPTIDES
SEE PEPTIDES, OLIGOPEPTIDES

OLIGOSACCHARIDES
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04971-08 Salivary mucins and dental diseases (human)
R01DE-06892-03 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06945-04 Characterization of microbial lectins
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

ON-LINE COMPUTERS
SEE COMPUTER, ON-LINE COMPUTERS*

ONCOGENES
SEE GENETICS, GENES, ONCOGENES

ONCOGENIC VIRUSES AND ONCOGENIC VIRUS-LIKE PARTICLES
SEE VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)

ONTOGENY
SEE GROWTH AND DEVELOPMENT
SEE PREGNANCY, EMBRYO-FETUS

OPHTHALMOLOGY
SEE EYE

OPIATE-LIKE PEPTIDES
SEE PEPTIDES, ENKEPHALIN
SEE PITUITARY DIENCEPHALON HORMONES, ENDORPHINS

OPIATE RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS, ENDORPHIN RECEPTORS

OPIATES
SEE ALKALOIDS, OPIUM AND OPIATES

OPINION
SEE POPULATION SURVEYS, PUBLIC OPINION

OPIUM
SEE ALKALOIDS, OPIUM AND OPIATES

OPOSSUM
SEE MAMMALS, MARSUPIALS, OPOSSUM*

OPSONINS
SEE IMMUNOLOGY, ANTIBODIES, OPSONINS

OPTICAL POLARIZATION*
** P50DE-02731-20 0037 Development support for dental research institute - Surface science laboratory

OPTICS, BIREFRINGENCE*
P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)

OPTICS, IMAGE ENHANCEMENT*
P01DE-06946-03 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint

OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*
** R01DE-07464-01 Low dose image receptors for intra oral dental radiography
** R43DE-07835-01 Computer aided dentistry

OPTICS, LIGHT EMISSION, LUMINESCENCE*
** P50DE-02731-20 0037 Development support for dental research institute - Surface science laboratory

OPTICS, MICROSCOPY, FLUORESCENCE*
R03DE-07877-01 Microcirculation of the hamster gingiva

OPTICS, NMR IMAGING
** R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)
** R03DE-07898-01 Spatially localized NMR of the oral cavity (human)

OPTICS, PHOTOGRAPHY, STEREOPHOTOGRAPHY*
** R03DE-07578-01 Stereogrammetric analysis of wear of composite

ORAL ADMINISTRATION
SEE DOSAGE AND ROUTE, ROUTE OF ADMINISTRATION

ORAL AIRFLOW MEASUREMENT
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

ORAL BEHAVIOR
SEE DENTISTRY, BRUXISM

ORAL BIOLOGY AND MEDICINE STUDY SECTION
** R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
** R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
** R01DE-02320-20 Clinical behavior of dental restorative materials (human)
** R01DE-02936-18 Relationship of microstructure to behavior of amalgam
** R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
** R37DE-03187-15 Transport in enamel and solubility of enamel (human)
** R01DE-03223-16 Kinetics of mineralization of teeth (human)
** R37DE-03258-15 Molecular genetic analysis of S. mutans cariogenicity
** R01DE-03487-15 Inhibition of human cariogenic streptococci
** R01DE-03488-15 Microbial composition of developing dental plaque (human, bacteria)
** R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
** R01DE-03601-13 Effect of corrosion on dental amalgams
** R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
** R01DE-03739-14 Glycosyltransferases from oral bacteria
** R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
** R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
** R01DE-03953-12 Force systems from orthodontic appliances
** R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-04123-10 Formation/stability of apatites
** R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
** R01DE-04164-09 Functional properties of rabbit jaw muscles (rabbit)
** R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
** R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
** R01DE-04230-11 Comparative ultrastructure of mammalian amelogenesis (cats)
** R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
** R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-04345-11 Cell biology of osteoclasts (chickens)
** R01DE-04486-09 Kinetics and mechanisms of action of fluorides (human)
** R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
** R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
** R01DE-04529-10 Replacement therapy of dental caries (rats)
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
** R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-04897-06 Functional development of salivary glands (rats)
** R01DE-04940-08 Muscular disorders in craniofacial malformations (human)
** R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-04971-08 Salivary mucins and dental diseases (human)
** R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
** R01DE-05054-08 Periodontal disease--Microbiological studies (human)
** R01DE-05067-08 Interaction of topical fluoride with human enamel (rats, hamsters)
** R01DE-05092-08 Proteins involved in dentinogenesis
** R01DE-05159-08 Distribution and ultrastructure of dental innervation (mammals)
** R01DE-05180-08 Regulation of surface synthesis in Streptococcus mutans
** R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
** R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
** R01DE-05232-08 Musculoskeletal adaptation to increased midfacial height (monkeys)
** R01DE-05249-07 Salivary secretion - role of calcium (mice)
** R01DE-05251-07 Salivary gland secretory mechanisms (rats)
** R01DE-05253-07 Measurements of enamel permeability as related to caries (human)
** R01DE-05255-07 Regulation of collagenase and bone resorption (mice, chick embryo)
** R01DE-05262-07 Mineralization in oral biology (mice, rats)
** R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
** R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
** R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
** R01DE-05395-07 Stem cells in oral mucosa (mice)
** R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
** R01DE-05429-07 Adherence of periodontal disease-associated bacteria
** R01DE-05460-06 Bonding of dental porcelain to non-precious alloys
** R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
** R01DE-05501-05 Platelet-Streptococcal interactions in endocarditis (human, rabbits)
** R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
** R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
** R01DE-05586-06 Cell surface studies of the enamel organ (mice)
** R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)
** R01DE-05626-06 Role of complement in periodontal disease
** R01DE-05632-06 Development of salivary gland secretory function (rats)
** R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
** R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
** R01DE-05690-05 Localization of the procollagens in dental tissues (rats, mice, rabbits)
** R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)
** R01DE-05738-06 Mastication, food transport, and swallowing in primates (cats, monkeys)
** R01DE-05761-07 Improved dental instruments and materials
** R01DE-05780-04 Development and mineralization of enamel in teeth
** R01DE-05817-06 Cellular mechanisms of collagen breakdown (human, animals)
** R01DE-05905-05 Neural organization of complex muscles (swine)
** R01DE-05932-06 The role of lipoproteins in microbial calcification
** R01DE-05967-04 Role of arachidonate metabolites in periodontitis
** R01DE-05980-03 Stress analysis of mandibular partial dentures
** R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
** R01DE-05996-05 Alveolar bone metabolism during tooth eruption (dogs)
** R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
** R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06014-05 Bacteria and lymphocyte suppression in periodontitis (mice, rats)
** R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R01DE-06030-05 Metronidazole therapy in periodontal disease (human)
** R01DE-06065-06 The role of lymphoid cells in alveolar bone resorption (rats)
** R01DE-06070-04 Antibiotic susceptibilities of periodontal bacteria (human)
** R01DE-06103-04 Evaluation of fo. modalities of periodontal therapy
** R01DE-06105-04 Using fluoride-chorhexidine to prevent radiation caries (human)
** R01DE-06112-06 Filled sealant as a conservative restorative material (human)
** R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
** R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
** R01DE-06127-04 Acid-base physiology of oral streptococci
** R01DE-06153-05 Antibody to glucosyltransferase in adults and children
** R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
** R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R01DE-06201-02 Water sorption of glassy dental polymers
** R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
** R01DE-06250-04 Histologic evaluation of new attachments in humans
** R01DE-06300-04 porous polyethylene and porous polysulfone tooth roots (monkeys)
** R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
** R01DE-06374-05 Semi- and nonprecious metal-porcelain systems
** R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
** R01DE-06424-02 Development of oral tissues after early undernutrition (human)
** R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)
** R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
** R01DE-06429-05 Influence of acid-base status on fluoride metabolism (mammals)
** R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
** R01DE-06519-02 Dental amalgams contribution to blood mercury levels
** R23DE-06524-03 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06539-04 Breakdown of amalgam margins--A microstructural study
** R01DE-06541-04 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
** R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
** R01DE-06569-05 Quantitation of enamel demineralization mechanisms
** R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
** R23DE-06618-03 Properties of motor units in human mandibular muscles
** R01DE-06622-03 Molecular mechanisms of periodontal disease
** R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
** R01DE-06638-03 Complete denture service psychophysiological criteria
** R01DE-06672-04 Optimization of metal-ceramic restoration design
** R01DE-06717-02 Jaw movements and masseter activity during chewing (human)
** R01DE-06720-03 Resistance of various restorative materials
** R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
** R01DE-06730-03 Dental implant surfaces impeding epithelial migration (rats)
** R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
** R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)
** R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R01DE-06761-03 Prevention of surface zone limited caries of enamel
** R01DE-06762-03 Development of an advanced artificial oral environment
** R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)
** R23DE-06766-03 Surgical regeneration of the periodontium (dogs)
** R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
** R23DE-06832-03 Experimental diabetes and periodontitis (monkeys)
** R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
** R01DE-06860-03 Complement monocyte interactions in periodontal disease
** R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
** R23DE-06874-03 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
** R01DE-06881-04 Oral facial morphology and breathing--Quantitative studies (human)
** R01DE-06885-03 Bioactive factors from demineralized adult bone (chick embryo)
** R01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
** R01DE-06892-03 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)
** R23DE-06896-03 Nonenzymatic reactions in human dentin proteins
** R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
** R01DE-06945-04 Characterization of microbial lectins
** R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
** R01DE-06951-03 Study of F actions on human root surface caries
** R01DE-06952-03 Enamel secretory matrix protease (cattle, rats)
** R01DE-06953-03 Hydroxyproline levels in periodontal health and disease (dogs)
** R01DE-06954-02 Structural studies of matrix proteins in teeth and bone
** R01DE-06955-03 Epidermal growth factor and tooth development (mice)
** R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)
** R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
** R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
** R23DE-06982-03 Biomechanical influences on condylar cartilage growth (rats)
** R23DE-06987-02 Study of surfactant use in restorative materials
** R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
** R01DE-06989-02 Neutrophil function in periodontal disease (human)
** R01DE-06996-02 Biological molecules in the corrosion of dental alloys
** R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
** R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
** R23DE-07075-02 Tissue interactions in root development (mice)
** R23DE-07076-01 Human salivary peroxidase purification and properties (rabbits)
** R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
** R23DE-07079-02 Effect of composition on fracture and creep of composite
** R01DE-07086-02 Development of artificial oral mucosa (rabbits)
** R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)
** R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
** R01DE-07128-03 Microbiology of ligature-induced periodontitis (monkeys)
** R23DE-07182-02 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
** R23DE-07190-02 Craniofacial ossification during anuran metamorphosis
** R01DE-07199-02 Adherence factors of oral streptococci (human)
** R01DE-07204-02 Family studies of early onset periodontitis (human)
** R01DE-07207-01 Molecular mechanism of oral carcinogenesis (hamsters)
** R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)
** R01DE-07216-01 Clinical and laboratory study of Co-base dental alloys (animals)
** R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
** R01DE-07220-02 Bioactive factors in skeletal repair (rabbits, rats)
** R23DE-07225-02 Influence of mast cells on bone remodelling (mice)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
** R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
** R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
** R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
** R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
** R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
** R01DE-07257-03 IgA protease and dental caries
** R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)
** R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
** R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
** R23DE-07325-01 Orofacial coordination during feeding
** R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)
** R01DE-07332-02 Analysis of ability of implants in craniofacial research
** R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis
** R01DE-07341-02 Second messenger function in exocrine glands (rats)
** R01DE-07344-02 Black-pigmented bacteroides--Drug resistance and virulence
** R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)
** R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
** R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
** R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)
** R01DE-07374-02 Effectiveness of dental clinical evaluation techniques (human)
** R01DE-07375-02 Dietary factors and root caries in animals (hamsters)
** R01DE-07376-02 Biochemical profile for gingival crevicular fluid
** R01DE-07378-02 Human osteoclast activating factor (mice, rats)
** R23DE-07380-01 Effects of CNS lesions on mastication and skull form (rats)
** R01DE-07381-02 Prevalence of xerostoma--Relation to selected variables (human)
** R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
** R23DE-07389-02 VIP receptors and submandibular gland function (rats)
** R23DE-07391-02 Insulin and protein synthesis in the rat gland
** R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
** R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)
** R01DE-07444-01 Tooth eruption and bone resorption (mice, rats)
** R01DE-07455-01 Prevention of root caries with fluoride (hamsters)
** R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)
** R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)
** R23DE-07460-01 Longitudinal epidemiological study of TMJ disorders
** R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
** R23DE-07473-01 Host processing of LPS in periodontitis (mice)
** R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)
** R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
** R23DE-07489-01 Pathogenesis of osteopetro-rickets in the toothless rat
** R01DE-07493-01 Cariogenic potential of dental plaque fluid
** R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)
** R01DE-07497-01 Antigenic studies of a actinomycetemcomitans (human)
** R01DE-07499-01 Quantitative study of the face in ectodermal dysplasia
** R01DE-07502-01 ANUG--Immune responsiveness of lymphocytes and PMNs
** R01DE-07512-01 Regeneration of the periodontium--An in vitro study
** R01DE-07606-01 Complement and periodontal pathogenic microorganisms
** R23DE-07616-01 Flow cytometric analysis of oral actinobacillus
** R01DE-07620-02 Neural aspects of craniofacial morphogenesis (frogs)
** R01DE-07623-01 Mechanisms for enamel mineralization (mammals)
** R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)
** R01DE-07644-01 Evaluation of mercury release from dental amalgams
** R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)
** R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)
** R01DE-07674-01 Analysis of primary palate formation (chick embryos)
** R01DE-07675-01 Periodontosis--A PMN actin dysfunction syndrome
** R23DE-07677-01 Comparative vertebrate amelogenesis (cichlids, skates, rats)
** R23DE-07679-01 Role of osteogenic growth factor in bone healing (rabbits, rats)
** R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)
** R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)
** R23DE-07746-01 Non-invasive assessment of periodontal disease activity (monkeys)
** R01DE-07754-01 Dissolution of mercury from dental amalgams
** R01DE-07755-01 Placental transfer of fluoride in the guinea pig
** R01DE-07760-01 Conformation of dental salivary molecules (human)
** R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
** R01DE-07787-01 Functional orthopedic magnetic appliances (monkeys)
** R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)
** R01DE-07790-01 Pactericidal mechanism and adherence effects of lysozyme
** R23DE-07796-01 Identification of mutagens in smokeless tobacco
** R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)
** R01DE-07806-01 Thermally induced changes in dental porcelain expansion
** R01DE-08007-01 Membranes of the dental pathogen Streptococcus mutans (rabbits)
** R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans
** R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
** R23DE-08110-01 Properties of motor units in human mandibular muscles

ORAL-FACIAL-CRANIAL ANOMALIES

SEE CONGENITAL ABNORMALITIES ORAL-FACIAL-CRANIAL

ORAL DISORDERS DIAGNOSIS

SEE ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*

ORAL-FACIAL PAIN

SEE ALSO DENTAL PAIN
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
SEE ALSO ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME
** R01DE-04358-10 Treatment of temporomandibular joint pain (human)
** R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
M P50DE-05130-07 Dental/orofacial pain--Mechanisms behavior and modulation
P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlatae
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
R01DE-05404-08 Dental pain--Studies on trigeminal nucleus caudalis (cats)
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
M P01DE-06946-03 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-03 0001 Pathophysiology of MPD and other facial pain syndromes - Long-term effects of therapy of TMJ in private practice
** P01DE-06946-03 0002 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)
P01DE-06946-03 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter
P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain
P01DE-06946-03 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
M P50DE-07509-01 Role of CNS adaptive mechanisms in orofacial sensation
** P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
** P50DE-07509-01 0002 Role of CNS adaptive mechanisms in orofacial sensation - Dynamic influences of somatosensory cortical neurons (monkeys)
** P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
** P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)
** P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)
** R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
M P50DE-07618-01 Orofacial pain research center
P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)
** P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)
** P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
** P50DE-07618-01 0005 Orofacial pain research center - Efficacy of TMJ radiographs (human)
** R01DE-07662-01 Trigeminal second-order structure-function relationships (rats)

ORAL-FACIAL RESTORATION

SEE ALSO ORAL SURGERY
R01DE-04940-08 Muscular disorders in craniofacial malformations (human)
** R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
R01DE-05232-08 Musculoskeletal adaptation to increased midfacial height (monkeys)
** R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
** P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** R01DE-06570-05 Psychosocial evaluation of craniofacial patients
** R23DE-06874-03 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** P01DE-06946-03 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)
** R13DE-07603-01 Craniofacial surgery--Symposium on longterm results
** R03DE-07744-01 Evaluation of sensory loss after mandibular osteotomy (human)
** R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)

ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS

SEE ALSO DENTAL PROSTHESIS
P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)
** P01DE-01697-24 0041 Developmental research in cleft palate - Cleft palate repair and eustachian tube function in children
P01DE-01697-24 0043 Developmental research in cleft palate - Chimpanzee model of SL-traction and perinatal midfacial growth
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
** P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)
** R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)
** R03DE-07838-01 Phototransduction as a velopharyngeal biofeedback technique (human)

ORAL-FACIAL RESTORATION, PROSTHODONTICS

SEE ALSO DENTAL PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

ORAL-FACIAL RESTORATION MATERIALS
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

ORAL FLORA
SEE MICROBIAL ORAL FLORA

ORAL HEALTH
SEE DENTAL HEALTH (ORAL HEALTH)

ORAL MICROBES
SEE MICROBIAL ORAL FLORA

ORAL-PHARYNGEAL (REGION)
SEE ALSO DENTAL STRUCTURE
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** P01DE-03610-20 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** R01DE-04166-17 Oral pharyngeal reflexes (cats, human)

ORAL-PHARYNGEAL, JAW
SEE ALSO DENTAL STRUCTURE
** R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
** R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
R23DE-07325-01 Orofacial coordination during feeding

ORAL-PHARYNGEAL, JAW, MANDIBLE
P50DE 02668-20 0214 Regional dental research center - Motor control during speech
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
R01DE-05232-08 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
** R01DE-05980-03 Stress analysis of mandibular partial dentures
R01DE-06424-02 Development of oral tissues after early undernutrition (human)
** R23DE-06618-03 Properties of motor units in human mandibular muscles
R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
** R01DE-06859-02 Biomechanics of the mandible (human)
** R23DE-06874-03 Effect of intermaxillary fixation on skeletal relapse (monkeys)
R01DE-07220-02 Bioactive factors in skeletal repair (rabbits, rats)
R01DE-07332-02 Analysis of utility of implants in craniofacial research
** R03DE-07451-01 Inducing osteogenesis in hydroxylapatite with DC current (dogs)
** R03DE-07744-01 Evaluation of sensory loss after mandibular osteotomy (human)
R01DE-07787-01 Functional orthopedic magnetic appliances (monkeys)
** R43DE-07817-01 A system to monitor mandibular movements in real time
** R23DE-08110-01 Properties of motor units in human mandibular muscles

ORAL-PHARYNGEAL, JAW, MANDIBULAR CONDYLE
P01DE-03610-20 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R23DE-06874-03 Effect of intermaxillary fixation on skeletal relapse (monkeys)
P01DE-06946-03 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
P01DE-06946-03 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
** P01DE-06946-03 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
P01DE-06946-03 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
** R23DE-06982-03 Biomechanical influences on condylar cartilage growth (rats)
R43DE-07817-01 A system to monitor mandibular movements in real time

ORAL-PHARYNGEAL, JAW, TEMPOROMANDIBULAR JOINT
** P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
** P01DE-03610-20 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
** R01DE-04358-10 Treatment of temporomandibular joint pain (human)
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-05497-05 Dental disease and work loss (human)
R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)
R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
R01DE-06859-02 Biomechanics of the mandible (human)
M P01DE-06946-03 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-03 0001 Pathophysiology of MPD and other facial pain syndromes - Long-term effects of therapy of TMJ in private practice
** P01DE-06946-03 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
** P01DE-06946-03 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
** P01DE-06946-03 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
** P01DE-06946-03 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptons in pre- and post-orthognathic surgery patients
** P01DE-06946-03 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ
** P01DE-06946-03 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
** P01DE-06946-03 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
** P01DE-06946-03 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
R23DE-06982-03 Biomechanical influences on condylar cartilage growth (rats)
** R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
** R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)
R23DE-07380-01 Effects of CNS lesions on mastication and skull form (rats)
** R23DE-07460-01 Longitudinal epidemiological study of TMJ disorders
** R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)
** P50DE-07618-01 0005 Orofacial pain research center - Efficacy of TMJ radiographs (human)
** R03DE-07841-01 The prevalence of symptoms of T M disorders (human)
** R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)

ORAL-PHARYNGEAL, JAW MOVEMENT
SEE ALSO DENTISTRY, MASTICATION
** P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
** R01DE-04164-09 Functional properties of rabbit jaw muscles (rabbit)
R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
** R01DE-05738-06 Mastication, food transport, and swallowing in primates (cats, monkeys)
R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)
** R01DE-06193-04 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)
** R01DE-06717-02 Jaw movements and masseter activity during chewing (human)
** R01DE-06943-03 Central projections of MES V afferents (cats)
P01DE-06946-03 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carrsprodol in MPD syndrome chemotherapy (human)
P01DE-06946-03 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
P01DE-06946-03 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
R23DE-06974-01 Utilization of trigeminal evoked potentials in dentistry (human)
** R23DE-07325-01 Orofacial coordination during feeding
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
P50DE-07618-01 0005 Orofacial pain research center - Efficacy of TMJ radiographs (human)
R01DE-07787-01 Functional orthopedic magnetic appliances (monkeys)
** R43DE-07817-01 A system to monitor mandibular movements in real time
** R03DE-07841-01 The prevalence of symptoms of T M disorders (human)
R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)

ORAL-PHARYNGEAL, LIPS
R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)

ORAL-PHARYNGEAL, MOUTH
SEE ALSO ORAL-PHARYNGEAL DISORDERS, STOMATITIS
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
** P50DE-02668-20 0197 Regional dental research center - Ultracytochemical and immunocytochemical studies of nerve tissue
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
** R01DE-06113-06 Determinants of fluoride in the oral environment (dogs, rats)
R23DE-06524-03 The pathogenesis of chronic oral candidiasis in the rat
** R01DE-06762-03 Development of an advanced artificial oral environment
** R01DE-07695-02 Organization of cortical tooth representations (monkeys)

ORAL-PHARYNGEAL, MUCOSA
SEE ALSO GASTROINTESTINAL SYSTEM, EPITHELIUM
** P50DE-02600-20 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
** R01DE-04750-11 Keratohyalin in keratinization--Oral mucosa and skin (human)
** R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
** R01DE-05395-07 Stem cells in oral mucosa (mice)
R01DE-05429-07 Adherence of periodontal disease-associated bacteria
R23DE-06524-03 The pathogenesis of chronic oral candidiasis in the rat
R01DE-06730-03 Dental implant surfaces impeding epithelial migration (rats)
R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)
** R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
** R01DE-07086-02 Development of artificial oral mucosa (rabbits)
** R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
** R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)
** R13DE-07469-01 Symposium on oral mucosal diseases
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

ORAL-PHARYNGEAL, NASOPHARYNX, ADENOIDS
R01DE-06881-04 Oral facial morphology and breathing--Quantitative studies (human)

ORAL-PHARYNGEAL, PALATE
SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
R01DE-04660-11 Keratohyalin in keratinization--Oral mucosa and skin (human)
** R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
** R01DE-07674-01 Analysis of primary palate formation (chick embryos)

ORAL-PHARYNGEAL, PHARYNX
R01DE-05738-06 Mastication, food transport, and swallowing in primates (cats, monkeys)
R03DE-07838-01 Phototransduction as a velopharyngeal biofeedback technique (human)

ORAL-PHARYNGEAL, SALIVA
** R01DE-01554-25 Host factors in caries resistance (human, bacteria)
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
P50DE-02600-20 0030 Support for oral biology research center - Human gingival epithelial cells
P50DE-02600-20 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R37DE-03187-15 Transport in enamel and solubility of enamel (human)
** R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
** R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
** R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
** R01DE-04971-08 Salivary mucins and dental diseases (human)
R01DE-05354-09 Prevention of dental caries
R01DE-05429-07 Adherence of periodontal disease-associated bacteria
R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
** R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
** R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
** R01DE-06153-05 Antibody to glucosyltransferase in adults and children
** R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-06424-02 Development of oral tissues after early undernutrition (human)
R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
R01DE-06762-03 Development of an advanced artificial oral environment
** R01DE-06864-02 Genetics of antibodies to periodontal pathogens (mice)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R01DE-06996-02 Biological molecules in the corrosion of dental alloys
** P50DE-07003-03 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
** P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
P50DE-07009-03 0004 Specialized caries research centers - Immunological aspects of root caries (human)
P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
R03DE-07014-02 Human PDL cell attachment to root surfaces
** R23DE-07076-01 Human salivary peroxidase purification and properties (rabbits)
P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
R01DE-07199-02 Adherence factors of oral streptococci (human)
R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
** R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)
R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor
** R03DE-07298-01 Low molecular weight salivary agglutinins
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
** R03DE-07575-01 Salivary HBsAg and periodontal disease
R03DE-07587-01 Antibody responses to IgA1 and IgG protease
** R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus
R03DE-07724-01 Microbial tests in the management of dental caries (human)
** R01DE-07760-01 Conformation of dental salivary molecules (human)
** R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme
R23DE-07964-01 Wear-corrosion studies of dental materials
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

ORAL-PHARYNGEAL, SALIVARY GLANDS

R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
P50DE-02600-20 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
P50DE-02670-20 0018 Institute of dental research - Immune response to Streptococcus mutans
** R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
** R01DE-04897-06 Functional development of salivary glands (rats)
** R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-05249-07 Salivary secretion - role of calcium (mice)
** R01DE-05251-07 Salivary gland secretory mechanisms (rats)
** R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
** R01DE-06848-03 Androgen control of salivary gland EGF in cleft palate (mice)
** R01DE-06892-03 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)
** R01DE-07637-01 Differentiation and growth of salivary glands (mice)
** R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)
** R03DE-07851-01 Amylase regulation in human salivary glands

ORAL-PHARYNGEAL, SALIVARY GLANDS, PAROTID

R01DE-01554-25 Host factors in caries resistance (human, bacteria)
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
** R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-05249-07 Salivary secretion - role of calcium (mice)
R01DE-05251-07 Salivary gland secretory mechanisms (rats)
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
** R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
** R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
** R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06153-05 Antibody to glucosyltransferase in adults and children
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
** R01DE-07201-01 Rat parotid exocytosis (also rabbits)
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R01DE-07637-01 Differentiation and growth of salivary glands (mice)
R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)
R03DE-07851-01 Amylase regulation in human salivary glands

ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBLINGUAL

R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
R01DE-06153-05 Antibody to glucosyltransferase in adults and children
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R03DE-07851-01 Amylase regulation in human salivary glands
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), EPIDERMAL GROWTH FACTOR
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
R01DE-02110-22 Study of salivary gland structure and function (mice, rats)
** P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
R01DE-04897-06 Functional development of salivary glands (rats)
** R01DE-05632-06 Development of salivary gland secretory function (rats)
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
R01DE-06153-05 Antibody to glucosyltransferase in adults and children
R01DE-06892-03 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R23DE-07389-02 VIP receptors and submandibular gland function (rats)
** R23DE-07391-02 Insulin and protein synthesis in the rat gland
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)
R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)
** R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)
R03DE-07851-01 Amylase regulation in human salivary glands
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

ORAL-PHARYNGEAL, SALIVATION

** P50DE-02600-20 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
** R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
** R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
** P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
** P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly
** P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
** R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)

ORAL-PHARYNGEAL, TONGUE

SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE
R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
R23DE-07325-01 Orofacial coordination during feeding
** R23DE-07351-02 Morphological basis of tongue movement and control (mammals)

ORAL-PHARYNGEAL DISORDERS (GENERAL)

SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO DENTAL DISORDERS
SEE ALSO NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES
SEE ALSO ORAL-PHARYNGEAL HYPERPLASIA
SEE ALSO ORAL SURGERY
** P50DE-02670-20 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
R01DE-05497-05 Dental disease and work loss (human)
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
** R01DE-06717-02 Jaw movements and masseter activity during chewing (human)
** R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
** P01DE-06946-03 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
** R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
R23DE-07325-01 Orofacial coordination during feeding
R01DE-07339-01 Oral candida in athymic mice- Stomatitis and glossitis
** R23DE-07460-01 Longitudinal epidemiological study of TMJ disorders
** R13DE-07469-01 Symposium on oral mucosal diseases
** R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
M R01DE-08112-01 Oral manifestations of the acquired immunodeficiency syndrome
** R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)
** R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME

R01DE-04166-17 Oral pharyngeal reflexes (cats, human)
M P01DE-06946-03 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-03 0002 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)
** P01DE-06946-03 0003 Pathophysiology of MPD and other facial pain syndromes - Physical therapy for MDP syndrome
** P01DE-06946-03 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carrisprodol in MPD syndrome chemotherapy (human)
** P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)
** P01DE-06946-03 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and p02 in rabbit masseter

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain
** P01DE-06946-03 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
** R23DE-07460-01 Longitudinal epidemiological study of TMJ disorders
** R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
R03DE-07519-01 Stress, malocclusion and masseter muscle activity
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)
** P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
** P50DE-07618-01 0005 Orofacial pain research center - Efficacy of TMJ radiographs (human)

ORAL-PHARYNGEAL DISORDERS, SALIVARY GLAND DISORDERS
SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE
P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostoma and caries parameters (human)
** R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)
R01DE-07474-01 Pathogenesis of experimental Sjogren's syndrome (rats)
** R03DE-07747-01 Viral infection & salivary gland graft-vs host disease (mice, rats)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

ORAL-PHARYNGEAL DISORDERS, STOMATITIS
** R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS
SEE ALSO DISEASES, SYNDROMES NOT LISTED ELSEWHERE, BEHCET'S SYNDROME
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
** R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

ORAL-PHARYNGEAL DISORDERS, TONGUE DISORDERS
** R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis

ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO BODY PHYSICAL CHARACTERISTICS, CEPHALOMETRY
SEE ALSO DENTAL DISORDERS DIAGNOSIS (INCL EXAMS)*
P50DE-02670-20 0041 Institute of dental research - Oral disease immunobiology--Hybridoma technology
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
R01DE-06717-02 Jaw movements and masseter activity during chewing (human)
** P01DE-06946-03 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
R01CE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)
R13DE-07469-01 Symposium on oral mucosal diseases
R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
R43DE-07539-01 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
** R03DE-07898-01 Spatially localized NMR of the oral cavity (human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

ORAL-PHARYNGEAL EPITHELIUM
SEE GASTROINTESTINAL SYSTEM, EPITHELIUM

ORAL-PHARYNGEAL HYPERPLASIA
SEE ALSO DENTAL DISORDERS, GINGIVAL HYPERPLASIA
R01DE-05395-07 Stem cells in oral mucosa (mice)
** R43DE-07539-01 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

ORAL-PHARYNGEAL HYPERPLASIA, LEUKOPLAKIA ORAL
** R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
R01DE-07339-01 Oral candida in athymic mice--Stomatitis and glossitis
R03DE-07423-01 Resolution of mucosal change in chronic candidiasis (rats)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

ORAL-PHARYNGEAL MUCOSA
SEE ORAL-PHARYNGEAL, MUCOSA

ORAL-PHARYNGEAL NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES

ORAL SURGERY
SEE ALSO DENTAL EXTRACTION
SEE ALSO DENTISTRY, ENDODONTICS
SEE ALSO DENTISTRY, SUBGINGIVAL CURETTAGE
SEE ALSO ORAL-FACIAL RESTORATION
P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
P50DE-02668-20 0168 Regional dental research center - Platelets and thrombin (human)
P50DE-02731-20 0033 Development support for dental research institute - Epidemiology laboratory (human)
R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
** R01DE-05369-08 Factors affecting dental postoperative pain (human)
R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
R23DE-06874-03 Effect of intermaxillary fixation on skeletal relapse (monkeys)
** P01DE-06946-03 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients
P01DE-06946-03 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ
P01DE-06946-03 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
P01DE-06946-03 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)
R01DE-07086-02 Development of artificial oral mucosa (rabbits)
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

ORGAN CULTURE
SEE TISSUE (CELL) CULTURE, ORGAN CULTURE

ORGAN TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION

ORGANIC ACIDS
SEE ACIDS-BASES, ACIDS ORGANIC (GENERAL)

ORGANIC COMPOUNDS (GENERAL)
SEE CHEMICALS (GENERAL), ORGANIC COMPOUNDS (GENERAL)

ORGANIC SYNTHESIS
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)

ORIENTATION, BODY POSITION
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

ORTHODONTICS
SEE DENTISTRY, ORTHODONTICS

ORTHOPEDICS
SEE SKELETAL DISORDERS, ORTHOPEDICS

ORTHOPEDICS AND MUSCULOSKELETAL STUDY SECTION
SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS
** R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-06859-02 Biomechanics of the mandible (human)

OSMOTIC MINIPUMP
SEE DRUGS, DRUG DELIVERY SYSTEMS

OSSIFICATION PATHOGENIC
SEE SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC

OSSIFICATION PHYSIOLOGIC
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL

OSTEITIS DEFORMANS
SEE SKELETAL DISORDERS, OSTEITIS DEFORMANS

OSTEOARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS

OSTEOBLASTS
SEE SKELETAL SYSTEM, BONE CELLS, OSTEOBLASTS

OSTEOCALCIN
SEE PROTEINS, CALCIUM BINDING PROTEINS

OSTEOCLAST ACTIVATING FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR

OSTEOCLASTS
SEE SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS

OSTEOCYTES
SEE SKELETAL SYSTEM, BONE CELLS

OSTEOGENESIS
SEE SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS

OSTEOGENESIS IMPERFECTA
SEE METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA

OSTEOGENIC SARCOMA
SEE NEOPLASMS OF SKELETAL SYSTEM, OSTEOGENIC SARCOMA

OSTEOMALACIA
SEE SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA

OSTEOPETROSIS
SEE METABOLIC DISORDERS INBORN, OSTEOPETROSIS

OSTEOPOROSIS
SEE SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS

OSTEOSCLEROSIS
SEE METABOLIC DISORDERS INBORN, OSTEOPETROSIS

OTITIS MEDIA
SEE EAR DISORDERS, MIDDLE EAR DISORDERS, OTITIS MEDIA

OUABAIN
SEE CARDIAC GLYCOSIDES, OUABAIN

OUTREACH
SEE HEALTH CARE SERVICES, CASE FINDING AND OUTREACH

OXALATES
SEE DICARBOXYLIC ACIDS, OXALATES

OXIDATION-REDUCTION
SEE ALSO CHEMICAL TRANSFER, HYDROGEN TRANSPORT
P50DE-02668-20 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

OXIDATION-REDUCTION ENERGIES
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

OXIDES, SUPEROXIDE
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R01DE-06622-03 Molecular mechanisms of periodontal disease

OXIDOREDUCTASES
SEE ALSO PEROXIDASES
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)

OXIDOREDUCTASES, DEHYDROGENASES
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)

OXIDOREDUCTASES, LACTATE DEHYDROGENASE
R01DE-04529-10 Replacement therapy of dental caries (rats)
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

OXIDOREDUCTASES, MONOAMINE OXIDASE
R01DE-01554-25 Host factors in caries resistance (human, bacteria)

OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE
R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)

OXINS, DIOXANES
** R03DE-07852-01 TCDD alteration in gene expression and cleft palate (mice)

OXYGEN CONSUMPTION
SEE RESPIRATORY GAS CONSUMPTION, OXYGEN CONSUMPTION

OXYGEN DEFICIENCY
SEE RESPIRATORY GAS LEVELS, HYPOXIA

OXYGEN RADICALS
SEE HYDROXYL GROUPS
SEE OXIDES, SUPEROXIDE
SEE PEROXIDES, HYDROGEN PEROXIDE

OXYGEN TENSION
SEE RESPIRATORY GAS LEVELS, OXYGEN TENSION

(contd)

*Excludes routine methodology (IR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

OXYGENASES, LIPOXYGENASE
R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)

OZ GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

P
SEE PHOSPHORUS

PAIN
SEE SENSORY-PERCEPTUAL PROCESSES, PAIN

PAIN, DENTAL
SEE DENTAL PAIN

PAIN, ORAL-FACIAL
SEE ORAL-FACIAL PAIN

PAIN RELIEVING AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, ANALGESICS

PAIN TOLERANCE
SEE SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE

PALATE
SEE ORAL-PHARYNGEAL, PALATE

PALATE, CLEFT
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL, CLEFT PALATE

PALLADIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, PALLADIUM (COMPOUNDS)

PANCREAS
R01DE-07341-02 Second messenger function in exocrine glands (rats)

PANCREAS HORMONES, INSULIN
SEE ALSO CARBOHYDRATES METABOLISM DISORDERS, DIABETES
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)
** R23DE-07391-02 Insulin and protein synthesis in the rat gland

PANCREATIC CYSTIC FIBROSIS
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

PANCREATIC ISLETS FUNCTION
R01DE-05990-03 Periodontitis, leukocyte function and diabetic status (human)

PANCREATOPEPTIDASE E
SEE PROTEASES AND PEPTIDASES, ELASTASE

PANCREOZYMIN
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

PANCREOZYMIN-CHOLECYSTOKININ
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ

PAP
SEE PLANTS EXTRACTS, POKEWEED EXTRACTS

PAPILLOMA VIRUS HUMAN
SEE VIRUSES, PAPOVAVIRIDAE, PAPILLOMAVIRUS, WARTS VIRUSES

PAPILLOMAVIRUS
SEE VIRUSES, PAPOVAVIRIDAE, PAPILLOMAVIRUS

PAPOVAVIRIDAE
SEE VIRUSES, PAPOVAVIRIDAE

PAPOVAVIRUSES
SEE VIRUSES, PAPOVAVIRIDAE

PARALLEL PATH MODEL
SEE BIOLOGICAL TRANSPORT, MEMBRANE MODELS

PARANASAL SINUSES
SEE NASAL, PARANASAL SINUSES

PARASYMPATHETIC NERVOUS SYSTEM
SEE NERVOUS SYSTEM AUTONOMIC, PARASYMPATHETIC NERVOUS SYSTEM

PARASYMPATHOMIMETIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, PARASYMPATHOMIMETIC

PARATHORMONE
SEE PARATHYROID HORMONES

PARATHYROID GLANDS DISORDERS, HYPERPARATHYROIDISM
** R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)

PARATHYROID HORMONES
P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-20 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
** R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-04345-11 Cell biology of osteoclasts (chickens)
R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
P50DE-04881-10 0004 Clinical research in periodontal disease - Bone destruction in periodontal disease (human)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R23DE-06766-03 Surgical regeneration of the periodontium (dogs)
R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)

PARATHYROIDECTOMY
P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)

PARENT-CHILD
SEE FAMILY, PARENT-OFFSPRING

PARENT-OFFSPRING
SEE FAMILY, PARENT-OFFSPRING

PARENTAL AGE
SEE PREGNANCY, AGE AT PREGNANCY

PARENTERAL ADMINISTRATION OF SUBSTANCES OTHER THAN NUTRIENTS
SEE DOSAGE AND ROUTE, ROUTE OF ADMINISTRATION

PAROTID GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, PAROTID

PARTICLES AND PARTICULATE MATTER
SEE PHYSICAL PROPERTIES, PARTICLES

PARVOVIRIDAE
SEE VIRUSES, PARVOVIRIDAE

PARVOVIRUSES
SEE VIRUSES, PARVOVIRIDAE

PASSIVE IMMUNIZATION
SEE IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, PASSIVE

PASSIVE TRANSPORT
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT

PASTEUR EFFECT
SEE HEXOSES, GLYCOLYSIS

PATHOBIOCHEMISTRY STUDY SECTION
** R01DE-03301-16 Connective tissues of the periodontium (human, dog)
** R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
** R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)
** R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

PATHOGENIC DIET
SEE NUTRITION, DIET PATHOGENIC

PATHOLOGIC PROCESSES
SEE DISEASES, PATHOLOGIC PROCESSES (NOT CLASSIFIED ELSEWHERE)

PATHOLOGY
SEE DISEASES, PATHOLOGY (GENERAL)*

PATHOLOGY MICROSCOPIC
SEE HISTOPATHOLOGY (GENERAL)*

PATHOLOGY B STUDY SECTION
** R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
** R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)

PATIENT CARE, HOME CARE
SEE HEALTH CARE SERVICES, HOME CARE

PATIENT CARE, LONG TERM
SEE HEALTH CARE SERVICES, LONG TERM CARE

PATIENT CARE MANAGEMENT
SEE HEALTH CARE SERVICES, PATIENT CARE MANAGEMENT

PATIENT CARE QUALITY
SEE HEALTH CARE QUALITY

PATIENT COMPLIANCE WITH THERAPY REGIMEN
SEE THERAPY COMPLIANCE

PATIENT MONITORING (AUTOMATED)
SEE BIOMEDICAL SYSTEMS AUTOMATED, PATIENT MONITORING (MONITORING DEVICES)

PATIENT REGISTRIES
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

PATTERN RECOGNITION (COMPUTER)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

PATTERN RECOGNITION, COMPUTER (OTHER THAN IMAGE-WAVESHAPE, OR COMPUTER SIMULATION OR DIAGNOSIS)
SEE COMPUTER, ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND CONTROL SYSTEMS

PD
SEE METALS, HEAVY METALS, PALLADIUM (COMPOUNDS)

PDGF
SEE GROWTH FACTORS (INCL. ANABOLICS), PLATELET DERIVED GROWTH FACTOR

PEDIATRIC CARE (SERVICES)
SEE CHILD HEALTH CARE (SERVICES)

PEER GROUPS
SEE PSYCHOLOGY SOCIAL, GROUP PROCESSES, PEER GROUPS

PELECYPODS
SEE MOLLUSKS, PELECYPODS*

PENICILLIN
SEE ANTIBIOTICS, BETA-LACTAMS, PENICILLIN

PENICILLIN G
SEE ANTIBIOTICS, BETA-LACTAMS, PENICILLIN G

PENTAZOCINE
SEE BENZAZOCINES, PENTAZOCINE

PENTOSES, RIBOSE
SEE ALSO NUCLEIC ACIDS, RNA
SEE ALSO NUCLEOTIDES, RIBONUCLEOTIDES
R01DE-06622-03 Molecular mechanisms of periodontal disease

PEPTIDASE INHIBITORS
SEE ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)

PEPTIDASE P
SEE PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE

PEPTIDE-POLYPEPTIDE HORMONES
SEE ENDOCRINOLOGY, HORMONES, PEPTIDE-POLYPEPTIDE HORMONES

PEPTIDE-POLYPEPTIDE RELEASING FACTORS
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

PEPTIDE STRUCTURE
SEE PROTEINS-PEPTIDES STRUCTURE

PEPTIDES
SEE ALSO ENDOCRINOLOGY, HORMONES, PEPTIDE-POLYPEPTIDE HORMONES
SEE ALSO NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES
SEE ALSO PROTEASES AND PEPTIDASES
R23DE-06896-03 Nonenzymatic reactions in human dentin proteins
** R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)

PEPTIDES, DYNORPHIN
** R01DE-06894-02 Nitrous oxide and endorphins (rats)

PEPTIDES, ENKEPHALIN
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
** R01DE-06894-02 Nitrous oxide and endorphins (rats)
** R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

PEPTIDES, HOMOPEPTIDES, GLUTAMYL
P50DE-07010-03 0006 Specialized caries research center - Synthesis and testing of potential antiplaque agents

PEPTIDES, HOMOPEPTIDES, LYSINE PEPTIDES
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

PEPTIDES, OLIGOPEPTIDES
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)

PEPTIDES, POLYPEPTIDES
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
P50DE-02670-20 0039 Institute of dental research - Structure and function of latent collagenase
P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
P01DE-02848-16 0012 Biology of connective tissue, bones, and teeth - Molecular genetics of dentine (mice)
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R01DE-06892-03 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
R01DE-06988-02 Determination and expression of amelogenin gene products (mice)
R01DE-06996-02 Biological molecules in the corrosion of dental alloys
R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)

PEPTIDES, SUBSTANCE P
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
** R01DE-06894-02 Nitrous oxide and endorphins (rats)

PEPTIDES, SYNTHETIC PEPTIDES
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
** R03DE-07733-01 Generation of antiserum to PDGF synthetic peptides (rabbits)

PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)
R03DE-07877-01 Microcirculation of the hamster gingiva

PEPTIDES, VASOACTIVE PEPTIDES, VASOACTIVE INTESTINAL POLYPEPTIDE
** R23DE-07389-02 VIP receptors and submandibular gland function (rats)

PEPTIDES AS BRAIN PEPTIDES FOR NEUROTRANSMISSION OR NEUROMODULATION
SEE GASTROINTESTINAL HORMONES, PANCREOZYMIN-CHOLECYSTOKININ
SEE PANCREAS HORMONES, INSULIN
SEE PEPTIDES, ENKEPHALIN
SEE PEPTIDES, VASOACTIVE PEPTIDES, KALLIDIN-9
SEE PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS
SEE PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

PEPTIDES AS NEUROREGULATORS IN BRAIN
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

PEPTIDES AS NEUROREGULATORS IN PERIPHERAL NERVOUS SYSTEM
SEE NEUROTRANSMITTERS AND NEUROMODULATORS, PEPTIDES

PEPTIDES STRUCTURE
SEE PROTEINS-PEPTIDES STRUCTURE

PEPTIDES TEMPLATES
SEE NUCLEIC ACIDS, MRNA

PEPTIDOGLYCANS
SEE ALSO PROTEOGLYCANS
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
P50DE-07003-03 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)
R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
** R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

PERFORMANCE, JOB
SEE OCCUPATIONS, JOB PERFORMANCE

PERFUSION
SEE DOSAGE AND ROUTE, PERFUSION

PERINATAL
SEE PREGNANCY, PERINATAL

PERIODONTAL DISORDERS
SEE DENTAL DISORDERS, PERIODONTAL

PERIODONTITIS
SEE DENTAL DISORDERS, PERIODONTITIS

PERIODONTIUM
SEE DENTAL STRUCTURE, PERIODONTIUM

PERIPHERAL NERVES (GENERAL)
SEE NERVOUS SYSTEM, PERIPHERAL NERVES (GENERAL)

PERIPHERAL NEUROPATHY
SEE NERVOUS DISORDERS PERIPHERAL

PERIPHERAL VASCULAR SYSTEM
SEE CARDIOVASCULAR SYSTEM, PERIPHERAL VASCULAR SYSTEM

PERMANENT TEETH
SEE DENTAL STRUCTURE, TOOTH

PERMEABILITY
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY

PERMEASES
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS, PERMEASES

PEROXIDASES
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
P50DE-02600-20 0030 Support for oral biology research center - Human gingival epithelial cells
R01DE-05586-06 Cell surface studies of the enamel organ (mice)
R01DE-05632-06 Development of salivary gland secretory function (rats)
** R23DE-07076-01 Human salivary peroxidase purification and properties (rabbits)
R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus

PEROXIDASES, LACTOPEROXIDASE
R01DE-01554-25 Host factors in caries resistance (human, bacteria)
** R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)

PEROXIDASES, MYELOPEROXIDASE
** R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
** R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

PEROXIDATION
R01DE-04971-08 Salivary mucins and dental diseses (human)

PEROXIDES
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)

PEROXIDES, HYDROGEN PEROXIDE
** R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
** R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

PERSONAL SATISFACTION
SEE PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION

PERSONALITY
SEE PSYCHOLOGY, PERSONALITY

PERSPIRATION
SEE SKIN SECRETIONS, SWEAT

PEYOTE
SEE ALKALOIDS, MORPHINES

PGA, PROSTAGLANDIN A
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PGB, PROSTAGLANDIN B
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PGC, PROSTAGLANDIN C
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PGD, PROSTAGLANDIN D
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PGE1
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS, PROSTAGLANDIN E

PGE2
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS, PROSTAGLANDIN E

PGG2
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PGH2, PROSTAGLANDIN H
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PH
SEE BODY FLUID BALANCE, ACID-BASE

PH (HYDROGEN ION CONCENTRATION)
SEE ACIDS-BASES, HYDROGEN-ION CONCENTRATION

PHAGE
SEE VIRUSES, BACTERIOPHAGE*

PHAGOCYTES
SEE CELLS, PHAGOCYTES

PHAGOCYTOSIS
SEE CELL INGESTION, PHAGOCYTOSIS

PHARMACOLOGY
SEE DRUGS, PHARMACOLOGY

PHARMACOLOGY, BIOCHEMICAL
SEE DRUGS, PHARMACOLOGY, BIOCHEMICAL

PHARYNGEAL DISORDERS DIAGNOSIS
SEE ORAL-PHARYNGEAL DISORDERS DIAGNOSIS (INCL EXAMS)*

PHARYNX
SEE ORAL-PHARYNGEAL, PHARYNX

PHASE CHANGE
SEE PHYSICAL PROPERTIES, PHASE CHANGE

PHASE TRANSITION
SEE PHYSICAL PROPERTIES, PHASE CHANGE

PHENANTHRO(4,5BCD)FURAN-8,9C-IMINOETHANO
SEE ALKALOIDS, MORPHINES

PHENOLIC AMINES, NEOSYNEPHRINE
R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)

PHENOLS, POLYPHENOLS
R43DE-07823-01 Microbial production of protein adhesive (mussels)
R01DE-08058-01 The adhesive of Mytilus byssus

PHENOTHIAZINES, FLUPHENAZINE
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

PHENOTYPE
SEE GENETICS, GENES, GENE EXPRESSION

PHENYLALANINE ANALOGS
SEE CYCLIC AMINO ACIDS, PHENYLALANINE ANALOGS

PHENYLALKYLAMINES, CATECHOLAMINES
SEE ALSO CYCLIC AMINO ACIDS, DOPA
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R03DE-07877-01 Microcirculation of the hamster gingiva

PHENYLALKYLAMINES, CATECHOLAMINES, EPINEPHRINE
SEE ALSO NEUROTRANSMITTERS RECEPTORS, ADRENERGIC RECEPTORS
** R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)

PHENYLALKYLAMINES, CATECHOLAMINES, L-HYDROXYDOPAMINE
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)

PHENYLALKYLAMINES, CATECHOLAMINES, ISOPROTERENOL
R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-05249-07 Salivary secretion - role of calcium (mice)
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)
R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)

PHENYLALKYLAMINES, CATECHOLAMINES, NOREPINEPHRINE
R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)

PHENYLALKYLAMINES, METHADONE
R01DE-05369-08 Factors affecting dental postoperative pain (human)

PHENYLAMIDES, LIDOCAINE
R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)

PHENYLAMIDES, PROCAINE AMIDE
R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)

PHENYLCARBOXYLATES, BENZOATES
R03DE-07296-01 New technique for cement biocompatibility

PHENYLCARBOXYLATES, IBUPROFEN
R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)

PHENYLCARBOXYLATES, SALICYLATES, ACETYL-
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
P01DE-06946-03 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)

PHENYLEPHRINE
SEE PHENOLIC AMINES, NEOSYNEPHRINE

PHENYTOIN
SEE IMIDAZOLEDIONES, HYDANTOINS, DIPHENYLHYDANTOIN

PHEROMONES
SEE ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES

PHONETICS
SEE INFORMATION-COMMUNICATION BEHAVIOR, SPEECH

PHONOARTHROGRAPHY
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

PHOSPHATASES
SEE ALSO PHOSPHODIESTERASES

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)

PHOSPHATASES, ADENOSINE TRIPHOSPHATASE
P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-05262-07 Mineralization in oral biology (mice, rats)
R01DE-05586-06 Cell surface studies of the enamel organ (mice)
R01DE-06071-03 Calcium metabolism in Streptococcus mutans
R01DE-06127-04 Acid-base physiology of oral streptococci
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-07341-02 Second messenger function in exocrine glands (rats)

PHOSPHATES
SEE ALSO CALCIUM PHOSPHATES
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
R01DE-03223-16 Kinetics of mineralization of teeth (human)
R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04123-10 Formation/stability of apatites
R01DE-04385-11 Mechanism of dental caries
R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
R01DE-06569-05 Quantitation of enamel demineralization mechanisms
R01DE-06761-03 Prevention of surface zone limited caries of enamel
R01DE-06996-02 Biological molecules in the corrosion of dental alloys
P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-03 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)
R01DE-07493-01 Cariogenic potential of dental plaque fluid
RC1DE-07623-01 Mechanisms for enamel mineralization (mammals)

PHOSPHATES, PYROPHOSPHATES
R01DE-05262-07 Mineralization in oral biology (mice, rats)

PHOSPHATIDES
SEE PHOSPHOLIPIDS

PHOSPHATIDIC ACIDS
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDIC ACIDS

PHOSPHATIDYL AMINO ACIDS
SEE AMINO ACIDS

PHOSPHATIDYLCHOLINE CHOLINEPHOSPHOHYDROLASE
SEE PHOSPHOLIPASE, PHOSPHATIDYLCHOLINE CHOLINEPHOSPHOHYDROLASE

PHOSPHATIDYL INOSITOL
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHOINOSITIDES

PHOSPHATIDYL POLYGLYCEROL
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS

PHOSPHODIESTERASES
SEE ALSO NUCLEASES, CYCLIC NUCLEOTIDE PHOSPHODIESTERASE
SEE ALSO PHOSPHOLIPASE
R01DE-05249-07 Salivary secretion - role of calcium (mice)

D-2-PHOSPHOGLYCERATE HYDROLYASE
SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE

PHOSPHOINOSITIDES
SEE PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHOINOSITIDES

PHOSPHOLIPASE
P50DE-02623-19 0030 Center for oral health research - Cellular control of mineralization
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)

PHOSPHOLIPASE, LECITHINASE A
R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)

PHOSPHOLIPASE, PHOSPHATIDYLCHOLINE CHOLINEPHOSPHOHYDROLASE
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)

PHOSPHOLIPASE A
SEE PHOSPHOLIPASE, LECITHINASE A

PHOSPHOLIPASE C
SEE PHOSPHOLIPASE, PHOSPHATIDYLCHOLINE CHOLINEPHOSPHOHYDROLASE

PHOSPHOLIPIDS
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
R01DE-05626-06 Role of complement in periodontal disease
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-05932-06 The role of lipoproteins in microbial calcification
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
R01DE-06860-03 Complement monocyte interactions in periodontal disease
R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)

PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, CARDIOLIPINS
R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)

PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHATIDIC ACIDS
R01DE-07630-01 Modulation of salivary gland function by prostaglandins (rats)

PHOSPHOLIPIDS, PHOSPHOGLYCERIDES, PHOSPHOINOSITIDES
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)

PHOSPHOMONOESTERASES, ACID PHOSPHATASE
P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)

PHOSPHOMONOESTERASES, ALKALINE PHOSPHATASE
P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
R01DE-05262-07 Mineralization in oral biology (mice, rats)
R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)

PHOSPHONATES
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries

PHOSPHONATES, DIPHOSPHONATES
R01DE-02525-20 Ultrastructural histopathology of human dental enamel
R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-06569-05 Quantitation of enamel demineralization mechanisms

PHOSPHOPROTEINS
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
** P01DE-02848-16 0012 Biology of connective tissue, bones, and teeth - Molecular genetics of dentine (mice)
** R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
R01DE-05092-08 Proteins involved in dentinogenesis
** R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
** R23DE-06896-03 Nonenzymatic reactions in human dentin proteins
** P50DE-07003-03 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
R01DE-07201-01 Rat parotid exocytosis (also rabbits)
R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)

PHOSPHOPROTEINS, CASEIN
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)

PHOSPHOPYRUVATE HYDRATASE
SEE DEHYDRATASES, D-2-PHOSPHOGLYCERATE HYDROLYASE

PHOSPHORINS
SEE ALSO HALOALKYLAMINES, CYCLOPHOSPHAMIDE
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)

PHOSPHORUS
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
R01DE-04486-09 Kinetics and mechanisms of action of fluorides (human)
R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
R01DE-05780-04 Development and mineralization of enamel in teeth
R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)
R03DE-07714-01 Biochemical responses in plaque fluid to reference foods
R03DE-07729-01 Biopsy technique for studying experimental enamel lesion (cattle)

PHOSPHORUS BALANCE (METABOLISM)
SEE CALCIUM (MINERAL) BALANCE, PHOSPHORUS BALANCE (METABOLISM)

PHOSPHORUS COMPOUNDS (GENERAL)
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel

PHOSPHORYLATION
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-05251-07 Salivary gland secretory mechanisms (rats)
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
** R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
P50DE-07003-03 0004 Rochester caries research center - Salivary pellicle and dental caries (human)
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
R03DE-07582-01 Effect of cyclosporine on human gingival fibroblasts

PHOSPHOSERINE
SEE AMINO ACIDS, PHOSPHOSERINE

PHOSPHOTRANSFERASES
R01DE-03246-17 Dynamic properties of the cytoskeleton
** R01DE-05966-05 Mechanisms of sugar transport in streptococcus mutans
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

PHOSPHOTRANSFERASES, PROTEIN KINASES (GENERAL)
R01DE-07201-01 Rat parotid exocytosis (also rabbits)
R01DE-07341-02 Second messenger function in exocrine glands (rats)

PHOSPHOTRANSFERASES, PROTEIN KINASES, PROTEIN KINASE C
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)

PHOTOCHEMISTRY
P50DE-02668-20 0150 Regional dental research center - Polymerization of tooth restorative composite materials

PHOTON EMISSION TOMOGRAPHY
SEE RADIOAUTOGRAPHY, RADIONUCLIDE EMISSION TOMOGRAPHY, SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY

PHOTONS
SEE RADIATION, ELECTROMAGNETIC WAVES, VISIBLE LIGHT (380NM TO 720NM)

PHOTOPERIODISM
SEE BIOPERIODICITY, CIRCADIAN RHYTHMS

PHYSICAL ACTIVITY, HEALTH
SEE HEALTH, PHYSICAL ACTIVITY (GENERAL)

PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)
SEE ALSO NEOPLASTIC TRANSFORMATION, CARCINOGENS, COCARCINOGENS
SEE ALSO NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS
SEE ALSO RADIOSENSITIZERS (GENERAL)
** P50DE-02623-19 0023 Center for oral health research - Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals)
** P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans

(cont)

*Excludes routine methodology UR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant number

P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
** R01DE-03915-13 Tooth-saliva interface phenomena and dental caries (rabbits, goats)
R01DE-04123-10 Formation/stability of apatites
** R01DE-05067-08 Interaction of topical fluoride with human enamel (rats, hamsters)
R01DE-05429-07 Adherence of periodontal disease-associated bacteria
R01DE-06746-03 Protein antigens of Strep mutans in caries immunity (mice, rabbits)
** R01DE-06860-03 Complement monocyte interactions in periodontal disease
** P50DE-07010-03 0007 Specialized caries research center Bacterial interrelationships in an animal model (rats)
** R23DE-07075-02 Tissue interactions in root development (mice)
** R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
** R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)
** R01DE-07227-01 Host bacterial interactions in periodontal disease (Cynomolgus monkeys)
** R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)
** R01DE-07606-01 Complement and periodontal pathogenic microorganisms
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), TOXICANTS INTERACTION
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

PHYSICAL CHANGES IN STATES OF MATTER
SEE PHYSICAL PROPERTIES, PHASE CHANGE

PHYSICAL MODELS
SEE MODELS, STRUCTURAL MODELS

PHYSICAL PROPERTIES (STATES)(PROCESSES)
SEE ALSO CHEMICAL STRUCTURE
SEE ALSO DENTAL MATERIALS, WEAR
SEE ALSO ELECTRICITY-MAGNETISM, MAGNETICS (GENERAL)
SEE ALSO MOLECULAR POLARITY
SEE ALSO MOLECULAR WEIGHT
SEE ALSO TEMPERATURE (SEE ALSO THERM-)
R43DE-07532-01 New restorative dental resins
** R43DE-07543-01 Dental restoratives from polymers that expand when cured
R23DE-07679-01 Role of osteogenic growth factor in bone healing (rabbits, rats)
R01DE-07806-01 Thermally induced changes in dental porcelain expansion
** R01DE-08058-01 The adhesive of Mytilus byssus

PHYSICAL PROPERTIES, ADHESION
SEE ALSO CELL ADHESION
SEE ALSO DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
** R01DE-04614-10 Adherence of oral streptococci to hydroxyapatite
** R23DE-06987-02 Study of surfactant use in restorative materials
R43DE-07532-01 New restorative dental resins
R43DE-07543-01 Dental restoratives from polymers that expand when cured
R03DE-07589-01 Retentive strength of a bonded resin-etched interface
** R43DE-07692-01 Surface behavior of mussel adhesive protein and analogs
R43DE-07704-01 Long acting polymer/fluoride mouthrinse
** R43DE-07823-01 Microbial production of protein adhesive (mussels)

PHYSICAL PROPERTIES, ADSORPTION
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R23DE-06757-03 Myeloperoxidase selective killing of oral bacteria (rabbits)
R23DE-08029-01 Myeloperoxidase selective killing of oral bacteria (rabbits)

PHYSICAL PROPERTIES, COLLOIDS, GELS
** P50DE-07010-03 0001 Specialized caries research center - Prevention of caries in overdenture abutments (humans)
R43DE-07543-01 Dental restoratives from polymers that expand when cured

PHYSICAL PROPERTIES, CRYSTALS, CRYSTALLIZATION
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
R01DE-05932-06 The role of lipoproteins in microbial calcification
** R01DE-07623-01 Mechanisms for enamel mineralization (mammals)

PHYSICAL PROPERTIES, DIFFUSION
SEE ALSO BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE ALSO BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION
** R01DE-06201-02 Water sorption of glassy dental polymers

PHYSICAL PROPERTIES, ELASTICITY
SEE ALSO PLASTICS, ELASTOMERS
R01DE-06859-02 Biomechanics of the mandible (human)
R23DE-07079-02 Effect of composition on fracture and creep of composite

PHYSICAL PROPERTIES, EVAPORATION-CONDENSATION
R01DE-07644-01 Evaluation of mercury release from dental amalgams

PHYSICAL PROPERTIES, FLUID DYNAMICS (GENERAL)
SEE ALSO CARDIOVASCULAR FUNCTION, BLOOD CIRCULATION DYNAMICS (GENERAL)
** P01DE-01697-24 0042 Developmental research in cleft palate - Speech science project

PHYSICAL PROPERTIES, FLUID STATE
SEE ALSO BODY FLUIDS (AND RELATED SUBSTANCES)
R43DE-07532-01 New restorative dental resins

PHYSICAL PROPERTIES, MECHANICAL PRESSURE
SEE ALSO PHYSICAL PROPERTIES, TENSILE STRENGTH
** R01DE-03953-12 Force systems from orthodontic appliances
R01DE-05980-03 Stress analysis of mandibular partial dentures
R23DE-07079-02 Effect of composition on fracture and creep of composite

PHYSICAL PROPERTIES, MECHANICAL STRESS
P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-06374-05 Semi- and nonprecious metal porcelain systems
R23DE-07079-02 Effect of composition on fracture and creep of composite
R43DE-07387-01 Complete orthodontic positioner elastic (COPE)
R03DE-07589-01 Retentive strength of a bonded resin-etched interface

PHYSICAL PROPERTIES, PARTICLES
R43DE-07704-01 Long acting polymer/fluoride mouthrinse

PHYSICAL PROPERTIES, PHASE CHANGE
R43DE-07543-01 Dental restoratives from polymers that expand when cured

PHYSICAL PROPERTIES, SOLID STATE, AMORPHOUS SOLIDS
SEE ALSO MOLECULAR CONDENSATIONS, RESINS
SEE ALSO SILICATES, GLASS
R01DE-06201-02 Water sorption of glassy dental polymers
R43DE-07832-01 New improved dental composites

PHYSICAL PROPERTIES, SOLID STATE, HARDNESS
R23DE-07079-02 Effect of composition on fracture and creep of composite
R23DE-07328-02 A quantitative study of lesion formation in animal models (also human)
R43DE-07532-01 New restorative dental resins
R43DE-07543-01 Dental restoratives from polymers that expand when cured

PHYSICAL PROPERTIES, SOLUBILITY
R01DE-02525-20 Ultrastructural histopathology of human dental enamel
** R37DE-03187-15 Transport in enamel and solubility of enamel (human)
** R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)

PHYSICAL PROPERTIES, SOLUTES
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)

PHYSICAL PROPERTIES, SOLVENTS
R23DE-07079-02 Effect of composition on fracture and creep of composite

PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)
SEE ALSO MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)
** P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
R01DE-05354-09 Prevention of dental caries
** R01DE-06730-03 Dental implant surfaces impeding epithelial migration (rats)
R23DE-07079-02 Effect of composition on fracture and creep of composite
R03DE-07511-01 Fractographic analysis of dental porcelain

PHYSICAL PROPERTIES, SURFACTANTS
R01DE-06569-05 Quantitation of enamel demineralization mechanisms
** R23DE-06987-02 Study of surfactant use in restorative materials
R43DE-07692-01 Surface behavior of mussel adhesive protein and analogs

PHYSICAL PROPERTIES, SURFACTANTS, DETERGENTS
SEE ALSO DENTIFRICES
R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis

PHYSICAL PROPERTIES, TENSILE STRENGTH
** P50DE-02668-20 0149 Regional dental research center, Strengths of polymers in tooth restorative materials
R01DE-03953-12 Force systems from orthodontic appliances
R01DE-05980-03 Stress analysis of mandibular partial dentures
R23DE-07079-02 Effect of composition on fracture and creep of composite
R43DE-07543-01 Dental restoratives from polymers that expand when cured

PHYSICAL THERAPY
SEE HEALTH CARE SERVICES, PHYSICAL THERAPY

PHYSIOLOGICAL CHEMISTRY STUDY SECTION
** R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
** R01DE-03731-11 Studies on the dextran sucrase of Streptococcus sanguis

PHYSIOLOGICAL PSYCHOLOGY
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

PHYSIOLOGICAL STRESSORS
SEE STRESS, PHYSIOLOGICAL STRESSORS

PHYSIOLOGY (GENERAL)*
SEE ALSO CELLULAR PHYSIOLOGY REVIEW GROUP
SEE ALSO ELECTROPHYSIOLOGY
SEE ALSO MICROBIAL PHYSIOLOGY AND GENETICS STUDY SECTION
SEE ALSO NEUROPHYSIOLOGY (GENERAL)
SEE ALSO PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
** P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

PHYSIOLOGY STUDY SECTION
** R01DE-02525-20 Ultrastructural histopathology of human dental enamel
** R01DE-06082-04 Genetic analysis of streptococcus mutans cariogenicity
** R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
** R01DE-06541-04 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human)
** R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
** R01DE-07648-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)
** R23DE-07964-01 Wear corrosion studies of dental materials

PHYSIOPSYCHOLOGY
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

PHYTOAGGLUTININS
SEE PLANTS PROTEINS, LECTINS

PHYTOMITOGENS
SEE PLANTS PROTEINS, LECTINS

PICODNAVIRUSES
SEE VIRUSES, PARVOVIRIDAE

PICTORIAL DATA PROCESSING (COMPUTER)
SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

PIGMENTS, BACTERIAL
** R01DE-07344-02 Black pigmented bacteroides--Drug resistance and virulence

PILI
SEE CELL COMPONENTS, PILI

PINOCYTOSIS
SEE CELL INGESTION, PINOCYTOSIS

PIPE SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

PITRESSIN
SEE PITUITARY DIENCEPHALON HORMONES, VASOPRESSIN

PITUITARY-DIENCEPHALON HORMONES, ENDORPHINS
SEE ALSO NEUROTRANSMITTERS, RECEPTORS, ENDORPHIN RECEPTORS
SEE ALSO PEPTIDES, DYNORPHIN
SEE ALSO PEPTIDES, ENKEPHALIN
** R01DE-05365-08 Factors affecting dental postoperative pain (human)
** R01DE-06894-02 Nitrous oxide and endorphins (rats)
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)

(cont'd)

*Excludes not see methodology OR queries any general projects which preclude indexing to the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

PITUITARY-DIENCEPHALON HORMONES, NEUROTENSIN
R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
** R01DE-06894-02 Nitrous oxide and endorphins (rats)

PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN
SEE ALSO PANCREATIC ISLETS FUNCTION
R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)

PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN
SEE ALSO PITUITARY GLAND DISORDERS, ACROMEGALY
SEE ALSO SKELETAL DISORDERS, BONE DEVELOPMENT, DWARFISM, PITUITARY
** R03DE-07419-01 Growth hormone-Craniofacial malformations, sleep apnea (human)

PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN
** R01DE-06894-02 Nitrous oxide and endorphins (rats)

PITUITARY DWARFISM
SEE SKELETAL DISORDERS, BONE DEVELOPMENT, DWARFISM, PITUITARY

PITUITARY GLAND DISORDERS, ACROMEGALY
SEE ALSO PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN
R03DE-07597-01 Craniofacial growth in giant transgenic mice

PLACEBO EFFECT
SEE THERAPY, PLACEBO EFFECT

PLACENTAL BARRIER
SEE PREGNANCY CIRCULATION, PLACENTAL TRANSFER

PLACENTAL TRANSFER
SEE PREGNANCY CIRCULATION, PLACENTAL TRANSFER

PLANNING, REGIONAL MEDICAL
SEE HEALTH CARE (SERVICES) (RESOURCES) PLANNING, REGIONAL MEDICAL PLANNING

PLANT EXTRACTS
SEE PLANTS EXTRACTS

PLANT MODELS OF HUMAN DISEASES
SEE MODELS, DISEASE MODELS

PLANTS, CROPS AND FOODS, FRUITS, BETELNUT*
** R23DE-07796-01 Identification of mutagens in smokeless tobacco

PLANTS EXTRACTS
SEE ALSO ANTIBIOTICS
** R03DE-07560-01 Evaluation of natural sweeteners with mongolian gerbils

PLANTS EXTRACTS, POKEWEED EXTRACTS
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells

PLANTS PROTEINS, LECTINS
SEE ALSO PROTEINS, LECTINS (NON-PLANT)
P01DE-02847-18 0220 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
** R01DE-06945-04 Characterization of microbial lectins
P50DE-07003-03 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)

PLANTS PROTEINS, LECTINS, CONCANAVALIN A
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)

PLAQUE
SEE DENTAL DEPOSITS, PLAQUE

PLAQUE REMOVAL
SEE DENTAL DEPOSITS, REMOVAL

PLASMA
SEE BLOOD AND RE SYSTEM, BLOOD, PLASMA

PLASMA MEMBRANE
SEE CELL COMPONENTS, CELL MEMBRANE

PLASMA MEMBRANE RECEPTORS
SEE RECEPTORS OF NON-SENSORY STIMULI (GENERAL)

PLASMA PROTEINS
SEE BLOOD PROTEINS

PLASMALEMMA
SEE CELL COMPONENTS, CELL MEMBRANE

PLASMID CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

PLASMIDS
SEE GENETICS, EXTRACHROMOSOMAL INHERITANCE, PLASMIDS

PLASMIN ACTIVATORS
SEE BLOOD COAGULATION, PLASMINOGEN ACTIVATORS

PLASMINOGEN
SEE BLOOD COAGULATION, PLASMINOGEN

PLASMINOGEN ACTIVATORS
SEE BLOOD COAGULATION, PLASMINOGEN ACTIVATORS

PLASMODESMATA
SEE CELL-CELL INTERACTION, INTERCELLULAR CONNECTIONS-JUNCTIONS

PLASTIC SURGERY
SEE SURGERY, PLASTIC

PLASTICITY, NEURONAL
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

PLASTICS, ACRYLIC POLYMERS
R01DE-07441-01 Oral antifungal natural and synthetic histidine peptides (human)
R43DE-07704-01 Long acting polymer/fluoride mouthrinse

PLASTICS, ACRYLIC POLYMERS, METHACRYLATES
R43DE-07832-01 New improved dental composites

PLASTICS, ELASTOMERS
R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
** R43DE-07387-01 Complete orthodontic positioner elastic (COPE)

PLASTICS, FLUOROCARBON POLYMERS
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)

PLASTICS, POLYETHYLENES
** R01DE-06300-04 porous polyethylene and porous polysulfone tooth roots (monkeys)
** R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
R43DE-07704-01 Long acting polymer/fluoride mouthrinse

PLASTICS, POLYPROPYLENE
R43DE-07704-01 Long acting polymer/fluoride mouthrinse

PLASTICS, POLYURETHANES
R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)

PLASTICS, POLYVINYLS
SEE ALSO PLASTICS, POLYETHYLENES
SEE ALSO PLASTICS, STYRENE POLYMERS
R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)
R43DE-07532-01 New restorative dental resins

PLASTICS, STYRENE POLYMERS
R43DE-07704-01 Long acting polymer/fluoride mouthrinse

PLATELET ACTIVATING FACTOR
SEE BLOOD PLATELETS, PLATELET ACTIVATING FACTOR

PLATELET DERIVED GROWTH FACTOR
SEE GROWTH FACTORS (INCL ANABOLICS), PLATELET DERIVED GROWTH FACTOR

PNEUMOANEMOMETER
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

PNEUMOTACHOGRAPHY, RESPIRATORY
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

POKEWEED EXTRACTS
SEE PLANTS EXTRACTS, POKEWEED EXTRACTS

POKEWEED MITOGEN
SEE PLANTS EXTRACTS, POKEWEED EXTRACTS

POLAR MOLECULES
SEE MOLECULAR POLARITY

POLARIZATION OPTICS
SEE OPTICAL POLARIZATION*

POLARIZED PUMPING MEMBRANES
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS

POLLUTANTS, ENVIRONMENTAL (GENERAL)
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

POLLUTION (GENERAL)
SEE ENVIRONMENTAL HEALTH, CONTAMINATION (GENERAL)

POLYAMINES
SEE AMINES, POLYAMINES

POLYANIONS
SEE IONS, POLYIONS, POLYANIONS

POLYCLONAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES

POLYETHYLENES
SEE PLASTICS, POLYETHYLENES

POLYGLUTAMIC ACID
SEE PEPTIDES, HOMOPEPTIDES, GLUTAMYL

POLYLYSINE
SEE PEPTIDES, HOMOPEPTIDES, LYSINE PEPTIDES

POLYMERASES
SEE LIGASES

POLYMERIZATION
SEE MOLECULAR CONDENSATIONS, POLYMERIZATION-DEPOLYMERIZATION

POLYMERS
SEE MOLECULAR CONDENSATIONS, POLYMERS (GENERAL)

POLYMORPHISM (BIOLOGY)
SEE BIOLOGY, POLYMORPHISM

POLYMORPHISM, SEXUAL (MICROORGANISM)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

POLYMORPHONUCLEAR LEUKOCYTE-MEDIATED CYTOTOXICITY
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

POLYMORPHONUCLEAR LEUKOCYTES
SEE BLOOD CELLS, LEUKOCYTES, NEUTROPHILS

POLYPEPTIDE HORMONES
SEE ENDOCRINOLOGY, HORMONES, PEPTIDE-POLYPEPTIDE HORMONES

POLYPEPTIDES
SEE PEPTIDES, POLYPEPTIDES

POLYPHENOLS
SEE PHENOLS, POLYPHENOLS

POLYPROPYLENE
SEE PLASTICS, POLYPROPYLENE

POLYSACCHARIDES
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
** P50DE-07003-03 0002 Rochester caries research center - Immunochemical studies of actinomyces viscosus polysaccharides (rats)

POLYSACCHARIDES, BACTERIAL (GENERAL)
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL
SEE ALSO PEPTIDOGLYCANS
SEE ALSO POLYSACCHARIDES, TEICHOIC ACID
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
** R01DE-03578-15 Biosynthetic study of dental plaque polysaccharides (bacteria)
R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
R01DE-06880-03 Host defense mechanism to oral bacteria (mice, rabbits, human)
R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS
SEE ALSO POLYSACCHARIDES, LIPOPOLYSACCHARIDES
P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
** R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
P01DE-06946-03 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
P01DE-06946-03 0015 Pathophysiology of MPD and other facial pain syndromes - Healing of surgical defects in retrodiscal tissue (rabbits)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07086-02 Development of artificial oral mucosa (rabbits)
R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
R03DE-07715-01 Parvovirus associated craniofacial disturbances (hamsters, rats)
** R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, CHONDROITIN SULFATE
P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans
R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARAN SULFATE
** P50DE-02670-20 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HEPARIN
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
** P50DE-02670-20 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R23DE-07245-01 PMN subpopulations--Role in periodontal disease (humans)
** R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)
R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)

POLYSACCHARIDES, GLYCOSAMINOGLYCANS, HYALURONIC ACID
P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans
P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
** R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)

POLYSACCHARIDES, LIPOPOLYSACCHARIDES
SEE ALSO GLYCOLIPIDS
SEE ALSO GLYCOLIPOPEPTIDES
R01DE-04217-12 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits)
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
R01DE-06231-04 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys)
** R23DE-07208-02 LPS-monocyte interactions in periodontal disease (guinea pigs)
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
** R23DE-07473-01 Host processing of LPS in periodontitis (mice)

POLYSACCHARIDES, TEICHOIC ACID
** P50DE-02731-20 0034 Development support for dental research institute - Microbial biochemistry laboratory
** R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)

POLYSTYRENES
SEE PLASTICS, STYRENE POLYMERS

POLYTETRAFLUOROETHYLENES
SEE PLASTICS, FLUOROCARBON POLYMERS

POLYURETHANES
SEE PLASTICS, POLYURETHANES

POLYVINYL ALCOHOLS
SEE PLASTICS, POLYVINYLS

POLYVINYL CHLORIDE
SEE PLASTICS, POLYVINYLS

POLYVINYLS
SEE PLASTICS, POLYVINYLS

POPULATION GENETICS ANIMAL
SEE GENETICS, POPULATION GENETICS ANIMAL

POPULATION GENETICS HUMAN
SEE GENETICS, POPULATION GENETICS HUMAN

POPULATION STUDIES ANIMAL, LONGITUDINAL STUDY
R23DE-07182-02 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)
R03DE-07552-01 Evaluation of calcium phosphate as a root canal filling (monkeys)

POPULATION STUDIES CELL
SEE ALSO CELL GROWTH REGULATION
SEE ALSO CELL MIGRATION
P50DE-02600-20 0014 Support for oral biology research center - Periodontal diseases--Cyclical cell alterations in lymphoid cells
R01DE-03246-17 Dynamic properties of the cytoskeleton
R01DE-04316-10 Environmental control of neural crest development (mouse, chick embryos)
R01DE-05395-07 Stem cells in oral mucosa (mice)
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-06955-03 Epidermal growth factor and tooth development (mice)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
** R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)
P50DE-07118-02 0005 Periodontal diseases research center - Studies on immunological dysfunction (children)
R23DE-07362-01 Phenyton-responsive fibroblast subpopulations (human)
R03DE-07548-01 Gamma-glutamyl transpeptidase in tooth development (mice)
R23DE-07616-01 Flow cytometric analysis of oral actinobacillus
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)

POPULATION STUDIES HUMAN
SEE ALSO GENETICS, POPULATION GENETICS HUMAN
SEE ALSO PREGNANCY, AGE AT PREGNANCY
P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects
P50DE-07010-03 9000 Specialized caries research center - Biostatistics Core Unit
R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
R01DE-07381-02 Prevalence of xerostoma--Relation to selected variables (human)

POPULATION STUDIES HUMAN, EPIDEMIOLOGY
SEE ALSO DIAGNOSTIC SERVICES, MASS SCREENING
SEE ALSO EPIDEMIOLOGY AND DISEASE CONTROL STUDY SECTION
SEE ALSO MENTAL HEALTH EPIDEMIOLOGY
SEE ALSO NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS
** R01DE-04068-12 Statistical methods in dental research
R01DE-05497-05 Dental disease and work loss (human)
** R01DE-06069-04 A genetic study of cleft lip and cleft palate in Hawaii
** R01DE-06437-04 Incidence and prevalence of root caries in the elderly (human)
** R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06950-01 Epidemiology of dental fear (human)
P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
P50DE-07010-03 0004 Specialized caries research center - Carbohydrates in root caries
** R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
** R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
** P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
** R01DE-07204-02 Family studies of early onset periodontitis (human)
** R01DE-07360-01 Oral-facial clefts in China a family study
** R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)
** R23DE-07460-01 Longitudinal epidemiological study of TMJ disorders
R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)
** R03DE-07841-01 The prevalence of symptoms of T M disorders (human)
R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)
** R01DE-07986-01 Incidence and prevalence of root caries in the elderly (human)

POPULATION STUDIES HUMAN, LONGITUDINAL STUDY
** P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)
P01DE-01697-24 0041 Developmental research in cleft palate - Cleft palate repair and eustachian tube function in children
P01DE-01697-24 0043 Developmental research in cleft palate - Chimpanzee model of SL-traction and perinatal midfacial growth
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
P50DE-02668-20 0191 Regional dental research center - Clinical study of restorative materials
P50DE-02731-20 0035 Development support for dental research institute - Immunology laboratory
R01DE-04068-12 Statistical methods in dental research
R01DE-04358-10 Treatment of temporomandibular joint pain (human)
P50DE-04881-10 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
R01DE-05563-06 The blade implant--Clinical efficacy and safety (human)
R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
** P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-05 0003 Growth, surgical, and speech aspects of cleft palate - Speech physiology (human)
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
** R01DE-06085-04 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits)
R01DE-06153-05 Antibody to glucosyltransferase in adults and children
R01DE-06417-03 Factors influencing long-term oral self-care (human)
R01DE-06424-02 Development of oral tissues after early undernutrition (human)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06570-05 Psychosocial evaluation of craniofacial patients
R01DE-06720-03 Resistance of various restorative materials
R23DE-06832-03 Experimental diabetes and periodontitis (monkeys)
** P01DE-06946-03 0001 Pathophysiology of MPD and other facial pain syndromes - Long-term effects of therapy of TMJ in private practice
** P01DE-06946-03 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
P50DE-07009-03 0001 Specialized caries research centers - Clinical studies of root caries (human)
P50DE-07117-02 0001 Periodontal disease research center - Two monitored patient groups--Clinical component
P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
P50DE-07117-02 0003 Periodontal disease research center - Two monitored patient groups--Immunology
** P50DE-07118-02 0001 Periodontal diseases research center - Clinical studies (children)
** P50DE-07118-02 0002 Periodontal diseases research center - Clinical microbiological studies (children)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)
P50DE-07118-02 0004 Periodontal diseases research center - PMN functional studies (children)
P50DE-07118-02 9001 Periodontal diseases research center - Core--Data processing and statistics
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)
R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)
R23DE-07460-01 Longitudinal epidemiological study of TMJ disorders
* R13DE-07603-01 Craniofacial surgery--Symposium on longterm results
R01DE-07675-01 Periodontosis--A PMN actin dysfunction syndrome
R03DE-07716-01 In vivo mercury and methyl mercury levels
R03DE-07724-01 Microbial tests in the management of dental caries (human)
R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)
R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

POPULATION STUDIES HUMAN, MORBIDITY
** R01DE-05497-05 Dental disease and work loss (human)

POPULATION STUDIES MICROORGANISMS
SEE ALSO ENVIRONMENT, ECOLOGY ORGANISMS
P50DE-02600-20 0037 Support for oral biology research center - Periodontal microflora (human)
R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)

POPULATION SURVEYS
R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)

POPULATION SURVEYS, HEALTH SURVEYS, DENTAL
R01DE-05497-05 Dental disease and work loss (human)
** R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
** P01DE-06946-03 0006 Pathophysiology of MPD and other facial pain syndromes - General population survey for TMJ clicking
R01DE-06950-01 Epidemiology of dental fear (human)
R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
R03DE-07724-01 Microbial tests in the management of dental caries (human)
** R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)

POPULATION SURVEYS, PUBLIC OPINION
SEE ALSO PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
** R03DE-07855-01 Public knowledge and opinion--Fluorides/fluoridation (human)

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PORCELAINS, DENTAL
SEE DENTAL MATERIALS, PORCELAINS

POSTNATAL
SEE CHILDREN, INFANT NEWBORN (BIRTH TO 4-6 WKS)

POSTOPERATIVE
SEE SURGERY, POSTOPERATIVE

POSTOPERATIVE COMPLICATIONS
SEE DISEASES, COMPLICATIONS, POSTOPERATIVE

POSTURE
SEE SKELETAL MOVEMENT, POSTURE

POTASSIUM
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)
R01DE-06913-04 Modulating role of prostaglandins in salivary glands (rats)
R01DE-07541-02 Second messenger function in exocrine glands (rats)

POTASSIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, POTASSIUM PUMP

POTENTIALS
SEE ELECTROPOTENTIALS

POTENTIATION
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE DRUGS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

PRECANCEROUS CONDITIONS
SEE NEOPLASMS RELATED INTEREST, PRENEOPLASTIC CONDITIONS

PREDICTION OF DISEASE OUTCOME
SEE DISEASES, PROGNOSIS

PREDISPOSITION TO DISEASE
SEE DISEASE PRONENESS-RISK

PREGNANCY
SEE ALSO CONGENITAL ABNORMALITIES
SEE ALSO NUTRITION, MATERNAL FETAL NUTRITION
** R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)
R23DE-07457-01 Periodontal microflora acquisition--Mother-infant studies (monkeys)

PREGNANCY, AGE AT PREGNANCY
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics

PREGNANCY, EMBRYO-FETUS
SEE ALSO EMBRYOLOGY, EARLY EMBRYONIC STAGES (1-28 DAYS)
SEE ALSO EMBRYOLOGY, EMBRYO-FETAL CELLS, TISSUES AND STRUCTURES
SEE ALSO GENETICS, DEVELOPMENTAL GENETICS
** R23DE-07190-02 Craniofacial ossification during anuran metamorphosis

PREGNANCY, EMBRYO-FETUS, GESTATIONAL AGE
P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-07755-01 Placental transfer of fluoride in the guinea pig

PREGNANCY, EMBRYO-FETUS CULTURE
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)

PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
SEE ALSO CONGENITAL ABNORMALITIES, DRUG INDUCED
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO PREGNANCY DISORDERS, EMBRYO-FETAL DISORDERS, FETAL ALCOHOL DISORDERS
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PREGNANCY, EMBRYO-FETUS TOXICOLOGY
SEE ALSO CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS
SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
** R03DE-07852-01 TCDD alteration in gene expression and cleft palate (mice)

PREGNANCY, PERINATAL
SEE ALSO REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, LACTATION
** P01DE-01697-24 0043 Developmental research in cleft palate - Chimpanzee model of SL-traction and perinatal midfacial growth
** R01DE-05780-04 Development and mineralization of enamel in teeth

PREGNANCY CIRCULATION, PLACENTAL TRANSFER
** R01DE-07755-01 Placental transfer of fluoride in the guinea pig

PREGNANCY DISORDERS
SEE ALSO PREGNANCY, EMBRYO-FETUS DRUGS ADVERSE EFFECTS
SEE ALSO PREGNANCY, EMBRYO-FETUS TOXICOLOGY
P50DE-02731-20 0021 Development support for dental research institute - Bacteriology laboratory (human)
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PREGNANCY DISORDERS, EMBRYO-FETAL DISORDERS, FETAL ALCOHOL DISORDERS
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)

PREGNANCY DISORDERS, EMBRYO-FETAL GROWTH-DEVELOPMENT DISORDERS (SEE ALSO APPROPRIATE SPECIFICS)
** P01DE-01697-24 0044 Developmental research in cleft palate - Archive of normal and cleft palate fetal histology
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
** R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)

PREGNANCY FLUIDS, ALLANTOIC FLUID
R01DE-07431-09 Ultrastructual studies of mineralized tissue (chicks, rats)

PREGNANCY MEMBRANES, CHORION
R01DE-07431-09 Ultrastructual studies of mineralized tissue (chicks, rats)

PREMATURE INFANT
SEE CHILDREN, INFANT PREMATURE AND LOW BIRTH WEIGHT

PRENEOPLASTIC CONDITIONS
SEE NEOPLASMS RELATED INTEREST, PRENEOPLASTIC CONDITIONS

PREOPERATIVE
SEE SURGERY, PREOPERATIVE

PREPARATION OF BIOMATERIALS
SEE BIOMATERIALS, DEVELOPMENT AND PREPARATION OF BIOMATERIALS

PRESCHOOL
SEE CHILDREN, PRESCHOOL (1 TO 6 YRS)

PRESERVATION
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS, BANKS AND REGISTRIES

PRESSORECEPTORS
SEE SENSE ORGANS, PRESSORECEPTORS

PRESSURE, MECHANICAL
SEE PHYSICAL PROPERTIES, MECHANICAL PRESSURE

PREVENTION
SEE HEALTH, DISEASE PREVENTION AND CONTROL
SEE INJURY (HAZARDS) PREVENTION AND CONTROL (GENERAL)
SEE MENTAL DISORDERS PREVENTION
SEE NEOPLASMS PREVENTION AND CONTROL

PREVENTIVE DENTISTRY
SEE DENTISTRY, PREVENTIVE

PREVENTIVE MEDICINE
SEE HEALTH, DISEASE PREVENTION AND CONTROL

PRIMATES
SEE MAMMALS, PRIMATES*

PROBE TUBE MICROPHONE
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW, MEASUREMENTS*

PROCAINE AMIDE
SEE PHENYLAMIDES, PROCAINE AMIDE

PROCARYOTE
SEE BACTERIA (GENERAL)*

PROCOLLAGEN
SEE FIBROUS PROTEINS, COLLAGEN, PROCOLLAGEN

PROFIBRINOLYSIN
SEE BLOOD COAGULATION, PLASMINOGEN

PROGESTINS
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function

PROGNOSIS (DISEASE RELATED)
SEE DISEASES, PROGNOSIS

PROGRAMMING, COMPUTER
SEE COMPUTER PROGRAMMING*

PROGRESSIVE SYSTEMIC SCLEROSIS
SEE SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA

PROLINE
SEE CYCLIC AMINO ACIDS, PROLINE

PROLIXIN
SEE PHENOTHIAZINES, FLUPHENAZINE

PROMOTERS OF TUMORS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS

PRONENESS TO DISEASE
SEE DISEASE PRONENESS-RISK

PROPANOLOL
SEE NAPHTHYLAMINES, PROPRANOLOL

PROPIONIBACTERIUM
SEE BACTERIA, PROPIONIBACTERIACEAE, PROPIONIBACTERIUM*

PROPRANOLOL
SEE NAPHTHYLAMINES, PROPRANOLOL

PROPRIOCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION

2-PROPYL PENTANOIC ACID
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

2-PROPYL VALERIC ACID
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

PROSTACYCLINS METABOLISM
SEE FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM

PROSTAGLANDIN E
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS, PROSTAGLANDIN E

PROSTAGLANDIN ENDOPEROXIDE SYNTHETASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

PROSTAGLANDIN SYNTHASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

PROSTAGLANDIN SYNTHETASE
SEE OXIDOREDUCTASES, PROSTAGLANDIN SYNTHASE

PROSTAGLANDINS
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS

PROSTAGLANDINS ANALOGS
SEE FATTY ACIDS, EICOSANOIDS, PROSTAGLANDINS ANALOGS

PROSTAGLANDINS METABOLISM
SEE FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM

PROSTHESIS
SEE ALSO DENTAL PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, CLEFT PALATE PROSTHESIS
SEE ALSO ORAL-FACIAL RESTORATION, PROSTHODONTICS
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT
** R01DE-07086-02 Development of artificial oral mucosa (rabbits)

PROSTHETIC ORGANS
SEE PROSTHESIS

PROSTHETIC SPHINCTERS
SEE PROSTHESIS

PROSTHODONTICS
SEE ORAL-FACIAL RESTORATION, PROSTHODONTICS

PROTAMINASE
SEE PROTEASES AND PEPTIDASES, CARBOXYPEPTIDASE

PROTEASE INHIBITORS
SEE ENZYME INHIBITORS, PROTEASE INHIBITORS (GENERAL)

PROTEASES AND PEPTIDASES
R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
R01DE-04660-11 Keratohyalin in keratinization--Oral mucosa and skin (human)
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R01DE-06952-03 Enamel secretory matrix protease (cattle, rats)
P50DE-07009-03 0005 Specialized caries research centers - Physical, chemical and microbiological aspects of root caries formation (human)
** R01DE-07257-03 IgA protease and dental caries
R01DE-07376-02 Biochemical profile for gingival crevicular fluid
** R03DE-07587-01 Antibody responses to IgA1 and IgG protease
R01DE-08090-01 Peptidoglycan hydrolases of Streptococcus mutans

PROTEASES AND PEPTIDASES, CARBOXYPEPTIDASE
R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis

PROTEASES AND PEPTIDASES, CATHEPSINS
P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
** R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)

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PROTEASES AND PEPTIDASES, COLLAGENASE
** P50DE-02670-20 0039 Institute of dental research - Structure and function of latent collagenase
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
** R01DE-05255-07 Regulation of collagenase and bone resorption (mice, chick embryo)
** R01DE-05817-06 Cellular mechanisms of collagen breakdown (human, animals)
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)
R03DE-07014-02 Human PDL cell attachment to root surfaces
R01DE-07376-02 Biochemical profile for gingival crevicular fluid
** R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)
R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)

PROTEASES AND PEPTIDASES, DIPEPTIDYL CARBOXYPEPTIDASE
R01DE-07341-02 Second messenger function in exocrine glands (rats)

PROTEASES AND PEPTIDASES, ELASTASE
R01DE-03987-12 Gingival collagen metabolism in health and disease (human, guinea pigs, rats)
P50DE-07118-02 0003 Periodontal diseases research center - Immunological and inflammatory functions in serum and oral fluids (children)

PROTEASES AND PEPTIDASES, GLUTAMYL TRANSPEPTIDASE
R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)
** R03DE-07548-01 Gamma-glutamyltranspeptidase in tooth development (mice)

PROTEASES AND PEPTIDASES, TRYPSIN
R03DE-07014-02 Human PDL cell attachment to root surfaces
R01DE-07376-02 Biochemical profile for gingival crevicular fluid

PROTEIN BINDING
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
SEE ALSO CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES
SEE ALSO ENDOCRINOLOGY, HORMONE BINDING PROTEINS
SEE ALSO PROTEINS, CALCIUM BINDING PROTEINS
P50DE-02623-19 0032 Center for oral health research - Interactions of salivary agglutinins and oral bacteria
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
** R01DE-05289-08 Uptake and binding by early enamel matrix (rats)
R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06945-04 Characterization of microbial lectins
P50DE-07009-03 0003 Specialized caries research centers - Biochemical and microbiological aspects of root surface caries (human)
** R23DE-07256-03 Attachment protein interaction with periodontal bacteria (mice)
R01DE-07625-01 Characterization of a neural crest-derived cDNA library (birds, rabbits)
R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)
R01DE-07760-01 Conformation of dental salivary molecules (human)

PROTEIN BOUND CARBOHYDRATES
SEE CARBOHYDRATES, PROTEIN BOUND CARBOHYDRATES

PROTEIN DEGRADATION
SEE PROTEOLYSIS

PROTEIN G (TRANSDUCIN)
SEE PROTEINS, MEMBRANE PROTEINS, TRANSDUCIN

PROTEIN KINASE C
SEE PHOSPHOTRANSFERASES, PROTEIN KINASES, PROTEIN KINASE C

PROTEIN KINASES (GENERAL)
SEE PHOSPHOTRANSFERASES, PROTEIN KINASES (GENERAL)

PROTEIN PHOSPHOTRANSFERASES
SEE PHOSPHOTRANSFERASES, PROTEIN KINASES (GENERAL)

PROTEIN-POLYSACCHARIDE COMPLEXES
SEE PROTEOGLYCANS

PROTEIN STRUCTURE
SEE PROTEINS-PEPTIDES STRUCTURE

PROTEINS
SEE ALSO ALBUMINS
SEE ALSO BLOOD PROTEINS
SEE ALSO ENZYMES
SEE ALSO GLYCOPROTEINS
SEE ALSO IMMUNOLOGY, ACUTE PHASE PROTEINS
SEE ALSO LIPOPROTEINS
SEE ALSO MUSCLE PROTEINS (AND CONTRACTILE PROTEINS)
SEE ALSO NUCLEIC ACIDS, MRNA
SEE ALSO NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS
SEE ALSO PEPTIDES
SEE ALSO PHOSPHOPROTEINS
SEE ALSO PROTEOGLYCANS
SEE ALSO PROTEOLIPIDS
P50DE-02600-20 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
** P50DE-02623-19 0036 Center for oral health research - Enamel proteins and their genes
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** R01DE-05092-08 Proteins involved in dentinogenesis
R01DE-05780-04 Development and mineralization of enamel in teeth
R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
R01DE-06765-03 Ion transport through the maturation stage enamel organ (cows, rats)
R01DE-06996-02 Biological molecules in the corrosion of dental alloys
** R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
** R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)
** R43DE-07692-01 Surface behavior of mussel adhesive protein and analogs
** R43DE-07823-01 Microbial production of protein adhesive (mussels)

PROTEINS, BACTERIAL (GENERAL)
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)
R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)
** R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
** R01DE-06746-02 Protein antigens of Strep mutans in caries immunity (mice, rabbits)

PROTEINS, CALCIUM BINDING PROTEINS
P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
R01DE-05092-08 Proteins involved in dentinogenesis
R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
** R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

PROTEINS, CALCIUM BINDING PROTEINS, CALMODULIN
R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07341-02 Second messenger function in exocrine glands (rats)

PROTEINS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY PROTEINS

PROTEINS, LECTINS (NON-PLANT)
SEE ALSO PLANTS PROTEINS, LECTINS
R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)

PROTEINS, MEMBRANE PROTEINS
SEE ALSO ENDOCRINOLOGY, HORMONE RECEPTORS
SEE ALSO GLYCOPROTEINS
SEE ALSO NEUROTRANSMITTERS RECEPTORS
P50DE-02623-19 0037 Center for oral health research - Physiology and genetics of transport in oral fusobacteria
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-05251-07 Salivary gland secretory mechanisms (rats)
** R01DE-05630-06 Matrix and cell surface in neural crest morphogenesis (mice)
R01DE-05632-06 Development of salivary gland secretory function (rats)
R01DE-06436-05 Periodontosis--Characterization of the neutrophil defect (human)
R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
R01DE-06991-03 Plasma membranes and secretory granules in secretion (rats, rabbits)
R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
R01DE-07201-01 Rat parotid exocytosis (also rabbits)
** R01DE-07228-01 Cell wall-associated proteins of Streptococcus sanguis
R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

PROTEINS, MEMBRANE PROTEINS, TRANSDUCIN
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)

PROTEINS, VIRAL (GENERAL)
** P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
** R01DE-03606-17 Morphogenesis of bacteriophage Phi-29

PROTEINS BIOSYNTHESIS
SEE ALSO AMINO ACYL TRNA
SEE ALSO BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION
SEE ALSO CELL COMPONENTS, RIBOSOMES
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, GENETIC CODING
SEE ALSO GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN BIOSYNTHESIS
SEE ALSO GLYCOPROTEINS BIOSYNTHESIS
SEE ALSO IMMUNOLOGY, ANTIBODY FORMATION
SEE ALSO NUCLEIC ACIDS, MRNA
** R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
P50DE-02670-20 0019 Institute of dental research - Chemistry/biology of the genetically-distinct collagens
** R01DE-03246-17 Dynamic properties of the cytoskeleton
R01DE-03301-16 Connective tissues of the periodontium (human, dog)
R01DE-03606-17 Morphogenesis of bacteriophage Phi-29
R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)
R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
R01DE-05323-05 Calcium ion interactions in developing dental tissues (rats)
R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)
R01DE-06801-04 Mutants to study S mutans pathogenicity (mammals)
** R01DE-06892-03 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06952-03 Enamel secretory matrix protease (cattle, rats)
R23DE-07077-02 Cell surface regulation in a cariogenic streptococci
R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)
R23DE-07362-01 Phenytoin-responsive fibroblast subpopulations (human)
** R23DE-07391-02 Insulin and protein synthesis in the rat gland
R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)
** R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
R01DE-07652-01 Microbicidal salivary histidine-rich proteins (rabbits)
R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)
** P01DE-07687-05 0006 Regeneration and transplantation of skeletal muscle - Control of protein synthesis in regenerating muscle (rat)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

PROTEINS METABOLISM
SEE ALSO PROTEINS BIOSYNTHESIS
SEE ALSO PROTEOLYSIS
** R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)

PROTEINS-PEPTIDES STRUCTURE
SEE ALSO ENZYME STRUCTURE
SEE ALSO GLOBULINS, GAMMA GLOBULINS, IMMUNOGLOBULIN STRUCTURE
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

P50DE-02600-20 0038 Support for oral biology research center - Connective tissue alterations in periodontal disease
** P50DE-02623-19 C002 Center for oral health research - Glycoprotein gD of herpes simplex virus
** P50DE-02670-20 0001 Institute of dental research - X-ray crystallography program
** P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
** P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans
P01DE-02848 16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R01DE-04645-09 A genetic-biochemical analysis of spirochete motility (mice)
R01DE-04971-08 Salivary mucins and dental diseases (human)
** R01DE-05476-06 Novel peptide derived sweeteners
R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06071-03 Calcium metabolism in Streptococcus mutans
R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
** R01DE-06852-03 Isolation and characterization of enamelin gene products (rabbits, guinea pigs)
** R01DE-06954-02 Structural studies of matrix proteins in teeth and bone
R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
R23DE-07681-02 Cell growth and bone resorption in periodontal disease (rats, cattle)
R43DE-07692-01 Surface behavior of mussel adhesive protein and analogs
R03DE-07894-01 Morphological and biochemical studies of opossum enamel

PROTEINS-PEPTIDES STRUCTURE, AMINO ACIDS SEQUENCE

R01DE-01374-76 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02668-20 0125 Regional dental research center - Significance of collagen crosslinks in tissue
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-20 0024 Institute of dental research - Biosynthesis of heparin and heparin sulfate
** R01DE-03658-22 Genetic polymorphisms of saliva (human, mice)
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
** R01DE-05672-04 Anionic salivary proteins in dental integuments (human, Macaca)
R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07201-01 Rat parotid exocytosis (also rabbits)
** R03DE-07733-01 Generation of antiserum to PDGF synthetic peptides (rabbits)
R43DE-07823-01 Microbial production of protein adhesive (mussels)
R01DE-08058-01 The adhesive of Mytilus byssus
R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

PROTEINS STRUCTURE

SEE PROTEINS-PEPTIDES STRUCTURE

PROTEINS SYNTHESIS (BIOSYNTHESIS)

SEE PROTEINS BIOSYNTHESIS

PROTEINS TRANSPORT

SEE ALSO PROTEIN BINDING
R01DE-04897-06 Functional development of salivary glands (rats)
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)

PROTEOGLYCANS

SEE ALSO GLYCOPROTEINS
SEE ALSO PEPTIDOGLYCANS
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
** P50DE-02670-20 0029 Institute of dental research - Structure and interactions of proteoglycans
** P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
P50DE-02731-20 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
R01DE-05092-08 Proteins involved in dentinogenesis
R01DE-05632-06 Development of salivary gland secretory function (rats)
R01DE-05996-05 Alveolar bone metabolism during tooth eruption (dogs)
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
** R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
R01DE-07803-01 II-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)
** R03DE-07880-01 Effects of proteoglycans on bone resorption (mice)

PROTEOGLYCANS, CHITIN

R01DE-07168-03 Membrane function during germination of Candida albicans (mice)
R01DE-07790-01 Bactericidal mechanism and adherence effects of lysozyme

PROTEOGLYCANS, MUCIN

P01DE-02847-18 0020 Microbial ecology and its relation to dental disease - Adherence of oral bacteria to teeth
** R01DE-04518-10 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits)
R01DE-04960-08 Mechanisms of salivary gland development (mice, rabbits, rats)
** R01DE-04971-08 Salivary mucins and dental diseases (human)
R01DE-06744-03 Adherence of oral bacteria to cell surface components (humans, rabbits)
** R01DE-06892-03 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits)
** R01DE-06970-03 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)
R01DE-07201-01 Rat parotid exocytosis (also rabbits)
** R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)
** R01DE-08108-01 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits)

PROTEOLIPIDS

SEE ALSO LIPOPROTEINS
R01DE-05932-06 The role of lipoproteins in microbial calcification
** R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
R43DE-07707-01 Anti-calculus agents

PROTEOLYSIS

P50DE-02600-20 0003 Support for oral biology research center - Disorders of connective tissue metabolism (human)
P50DE-02668-20 0190 Regional dental research center - Thrombin and prothrombin
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
R01DE-05793-05 Processing of procollagen to collagen (rabbit, chick embryo)
** R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06952-03 Enamel secretory matrix protease (cattle, rats)
R01DE-07606-01 Complement and periodontal pathogenic microorganisms

PROTEOLYTIC AGENTS (NONENZYMATIC)

R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)

PROTEOLYTIC ENZYMES

SEE PROTEASES AND PEPTIDASES

PROTHROMBIN

SEE BLOOD COAGULATION, PROTHROMBIN

PROTON TRANSPORT

SEE CHEMICAL TRANSFER, HYDROGEN TRANSPORT

PROTO-ONCOGENES

SEE GENETICS, GENES, ONCOGENES

PROTOPLASTIC MEMBRANE

SEE CELL COMPONENTS, PROTOPLASTIC MEMBRANE

PROTOZOAL GENETICS

SEE GENETICS, MICROBIAL

PROTOZOAL METABOLISM

SEE MICROORGANISMS METABOLISM

PROWER FACTOR

SEE BLOOD COAGULATION, FACTOR X

PSEUDODEMENTIA

SEE PSYCHOLOGY, EMOTIONS, DEPRESSION

PSORIASIS

SEE METABOLIC DISORDERS INBORN, PSORIASIS

PSYCHIC ACTIVITY LEVEL

SEE ALSO PSYCHOLOGY, COGNITION, AWARENESS
SEE ALSO PSYCHOLOGY, MOTIVATION
** P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)

PSYCHIC ACTIVITY LEVEL, AROUSAL

P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man

PSYCHIC ACTIVITY LEVEL, ATTENTION

P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man

PSYCHIC ACTIVITY LEVEL, SLEEP

SEE ALSO NEUROLOGIC MANIFESTATIONS, SLEEP DISORDERS
P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)

PSYCHIC ENERGIZERS

SEE PSYCHOPHARMACOLOGICAL AGENTS, ANTIDEPRESSANTS

PSYCHOBIOLOGY

SEE ALSO ENVIRONMENT, ADAPTATION
SEE ALSO NEUROCHEMISTRY
SEE ALSO STRESS, ENVIRONMENTAL STRESSORS
** P50DE-02668-20 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)
** R01DE-04358-10 Treatment of temporomandibular joint pain (human)
** P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlatae
** P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-05369-08 Factors affecting dental postoperative pain (human)
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
** R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06219-04 Facial behavior related to acute dental pain (human)
** R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R01DE-06570-05 Psychosocial evaluation of craniofacial patients

PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

SEE ALSO BEHAVIORAL MEDICINE
SEE ALSO INFORMATION PROCESSING AND CONTROL (NEURAL)
SEE ALSO NEUROPHYSIOLOGY, REFLEX
SEE ALSO PSYCHIC ACTIVITY LEVEL
SEE ALSO PSYCHOMOTOR FUNCTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)
SEE ALSO STRESS, PHYSIOLOGICAL STRESSORS
R01DE-06638-03 Complete denture service psychophysiological criteria
** P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY, PSYCHOPHYSIOLOGIC DISORDERS

SEE ALSO BEHAVIORAL MEDICINE
** R01DE-04358-10 Treatment of temporomandibular joint pain (human)
M P01DE-06946-03 Pathophysiology of MPD and other facial pain syndromes
** P01DE-06946-03 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

PSYCHOLOGIC STRESS

SEE STRESS

PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR

** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
R01DE-06417-03 Factors influencing long-term oral self-care (human)
** R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** R23DE-06865-03 Child desensitization for dental visits (human)

PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT

SEE ALSO PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT
R01DE-06570-05 Psychosocial evaluation of craniofacial patients

PSYCHOLOGICAL IMPACT OF DISEASES OR MEDICAL PROCEDURES

SEE BEHAVIORAL MEDICINE

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

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PSYCHOLOGICAL MODELS
SEE MODELS, PSYCHOLOGICAL MODELS

PSYCHOLOGICAL STRESSORS
SEE STRESS, PSYCHOSOCIAL STRESSORS

PSYCHOLOGICAL TESTS, BEHAVIOR ASSESSMENT-MEASUREMENT*
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)

PSYCHOLOGY, ATTITUDE TO HEALTH AND HEALTH PROBLEMS
SEE ALSO POPULATION SURVEYS, PUBLIC OPINION
R01DE-04358-10 Treatment of temporomandibular joint pain (human)
R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
R01DE-06417-03 Factors influencing long-term oral self-care (human)
** R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06865-03 Child desensitization for dental visits (human)
P01DE-06946-03 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
** R01DE-07718-01 Professional education and patient periodontal health

PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION
R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
R23DE-06865-03 Child desensitization for dental visits (human)

PSYCHOLOGY, BEHAVIOR
SEE ALSO CHILD MENTAL DEVELOPMENT, CHILD BEHAVIOR
SEE ALSO NUTRIENT INTAKE ACTIVITY, FEEDING (EATING) BEHAVIOR
SEE ALSO PSYCHOLOGICAL ADAPTATION, COPING BEHAVIOR
SEE ALSO PSYCHOLOGY, PERSONALITY
SEE ALSO PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS
SEE ALSO PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR
SEE ALSO THERAPY COMPLIANCE
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

PSYCHOLOGY, COGNITION
SEE ALSO PSYCHOLOGY, LEARNING
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)

PSYCHOLOGY, COGNITION, AWARENESS
R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)

PSYCHOLOGY, COGNITION, DECISION MAKING
R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
R01DE-06417-03 Factors influencing long-term oral self-care (human)

PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL
** R01DE-04358-10 Treatment of temporomandibular joint pain (human)
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** R03DE 07838-01 Phototransduction as a velopharyngeal biofeedback technique (human)

PSYCHOLOGY, CONDITIONING, AVOIDANCE
R01DE-06950-01 Epidemiology of dental fear (human)

PSYCHOLOGY, CONDITIONING, REINFORCEMENT
R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)

PSYCHOLOGY, EMOTIONS, ANXIETY
SEE ALSO DENTAL FEAR AND ANXIETY
R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
** R01DE-06950-01 Epidemiology of dental fear (human)
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

PSYCHOLOGY, EMOTIONS, DEPRESSION
** R01DE-04358-10 Treatment of temporomandibular joint pain (human)
R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
P01DE 06946-03 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

PSYCHOLOGY, HABITS, SMOKING
SEE ALSO CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS
SEE ALSO PYRIDINES, NICOTINE
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R01DE-06519-02 Dental amalgams contribution to blood mercury levels
** R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
** R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)
** R03DE-07912-01 Carbon monoxide effects on cleft lip development in mice

PSYCHOLOGY, LEARNING
R13DE-07843-01 Symposium on effects of injury on somatosensory systems

PSYCHOLOGY, LEARNING, MEMORY
R13DE-07843-01 Symposium on effects of injury on somatosensory systems

PSYCHOLOGY, MOTIVATION
SEE ALSO PSYCHIC ACTIVITY LEVEL
R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)

PSYCHOLOGY, NEUROPSYCHOLOGY (GENERAL)
SEE ALSO BRAIN ELECTRICAL ACTIVITY
P50DE-02668-20 0209 Regional dental research center - Static and dynamic properties of S-I neurons in the behaving macaque monkey

PSYCHOLOGY, PERSONALITY
SEE ALSO PSYCHOLOGY, BEHAVIOR
SEE ALSO PSYCHOLOGY SOCIAL, LOCUS OF CONTROL
P01DE-06946-03 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)

PSYCHOLOGY, PERSONALITY, LIFE STYLE
R01DE-05497-05 Dental disease and work loss (human)

PSYCHOLOGY, PERSONALITY DEVELOPMENT, SELF-CONCEPT
SEE ALSO PSYCHOLOGY SOCIAL, LOCUS OF CONTROL
R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
R01DE-06570-05 Psychosocial evaluation of craniofacial patients

PSYCHOLOGY, SUGGESTION
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

PSYCHOLOGY, SUGGESTION, HYPNOSIS
P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man

PSYCHOLOGY ABNORMAL, COGNITION DISORDERS
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

PSYCHOLOGY ABNORMAL, COGNITION DISORDERS, LEARNING DISORDERS
** P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)

PSYCHOLOGY DEVELOPMENTAL (CHILD MENTAL DEVELOPMENT)
SEE CHILD MENTAL DEVELOPMENT

PSYCHOLOGY SOCIAL, COOPERATION
R23DE-06865-03 Child desensitization for dental visits (human)

PSYCHOLOGY SOCIAL, GROUP PROCESSES, PEER GROUPS
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
R01DE-06521-03 Behavioral response enhancement after perodontal surgery (human)

PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS
** R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)

PSYCHOLOGY SOCIAL, LOCUS OF CONTROL
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)

PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT
SEE ALSO PSYCHOLOGICAL ADAPTATION, EMOTIONAL ADJUSTMENT
** R01DE-05497-05 Dental disease and work loss (human)
** R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)
** R01DE-06570-05 Psychosocial evaluation of craniofacial patients

PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR
** R01DE-06154-04 Effects of orthodontia on psychosocial functioning (human)

PSYCHOMETRICS
SEE ALSO PSYCHOPHYSICS
R01DE-06570-05 Psychosocial evaluation of craniofacial patients

PSYCHOMOTOR DISORDERS
** R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PSYCHOMOTOR FUNCTION
SEE ALSO NEUROMOTOR SYSTEM
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)

PSYCHOPHARMACOLOGICAL AGENTS, ANTIDEPRESSANTS
** R01DE-04358-10 Treatment of temporomandibular joint pain (human)
R01DE-05369-08 Factors affecting dental postoperative pain (human)
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

PSYCHOPHARMACOLOGICAL AGENTS, NARCOTICS
** R01DE-05369-08 Factors affecting dental postoperative pain (human)

PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS
P01DE-06946-03 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)
P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

PSYCHOPHYSICS
R01DE-06219-04 Facial behavior related to acute dental pain (human)
M P50DE-07509-01 Role of CNS adaptive mechanisms in orofacial sensation
** P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
P50DE-07509-01 0002 Role of CNS adaptive mechanisms in orofacial sensation - Dynamic influences of somatosensory cortical neurons (monkeys)
** P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)
** P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)

PSYCHOPHYSIOLOGIC DISORDERS
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY, PSYCHOPHYSIOLOGIC DISORDERS

PSYCHOPHYSIOLOGY
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY

PSYCHOSOCIAL STRESSORS
SEE STRESS, PSYCHOSOCIAL STRESSORS

PSYCHOSOMATIC DISORDERS
SEE PSYCHOBIOLOGY, PSYCHOPHYSIOLOGY, PSYCHOPHYSIOLOGIC DISORDERS

PSYCHOTHERAPY, DESENSITIZATION
** R23DE-06865-03 Child desensitization for dental visits (human)

PTFE
SEE PLASTICS, FLUOROCARBON POLYMERS

PUBERTY
SEE CHILD DEVELOPMENT, PUBERTY

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

(contd)

PUBLIC OPINION
SEE POPULATION SURVEYS, PUBLIC OPINION

PUERILE
SEE CHILDREN

PULMONARY AIRWAY RESISTANCE NORMAL
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES

PULMONARY HYPOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

PULP
SEE DENTAL STRUCTURE, PULP

PULP DISORDERS, DENTAL
SEE DENTAL PULP DISORDERS

PULPOTOMY
SEE DENTISTRY, ENDODONTICS, PULPOTOMY

PURE LINES
SEE GENETICS, POPULATION GENETICS, INBREEDING

PURINE AND PYRIMIDINE METABOLISM IN PROTOZOA
SEE MICROORGANISMS METABOLISM

PURINE NUCLEOSIDE:ORTHOPHOSPHATE RIBOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, PURINE NUCLEOSIDE PHOSPHORYLASE

PURINE NUCLEOSIDE PHOSPHORYLASE
SEE GLYCOSYLTRANSFERASES, PURINE NUCLEOSIDE PHOSPHORYLASE

PURINE NUCLEOSIDES, GUANINE NUCLEOSIDES, GUANOSINE
R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)

PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ADP
R01DE-06622-03 Molecular mechanisms of periodontal disease

PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, AMP CYCLIC
R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
P50DE-05139-09 0003 Clinical research center for periodontal disease - Human genetics section
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
** R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-05764-07 Cellular pharmacology of salivary secretion (rats, ducks)
R01DE-06115-03 Protein phosphorylation in parotid gland secretion (rabbits)
R01DE-06553-04 Arachidonate metabolism and orofacial development (mice)
R01DE-07201-01 Rat parotid exocytosis (also rabbits)
R01DE-07341-02 Second messenger function in exocrine glands (rats)
R01DE-07637-01 Differentiation and growth of salivary glands (mice)
R01DE-07689-01 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)

PURINE NUCLEOTIDES, ADENINE NUCLEOTIDES, ATP
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS
P50DE-02623-19 0030 Center for oral health research - Cellular control of mineralization
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)
R01DE-07341-02 Second messenger function in exocrine glands (rats)

PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)

PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GMP CYCLIC
R01DE-05249-07 Salivary secretion - role of calcium (mice)
R01DE-05550-06 Differentiation during craniofacial embryogenesis (mice)
R01DE-07341-02 Second messenger function in exocrine glands (rats)

PURINE NUCLEOTIDES, GUANINE NUCLEOTIDES, GTP
** R01DE-03246-17 Dynamic properties of the cytoskeleton

PYREXIA
SEE TEMPERATURE (BODY), FEVER

PYRIDINE CARBOXYLIC ACIDS, NIFEDIPINE
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)

PYRIDINEDICARBOXYLIC ACID
SEE PYRIDINE CARBOXYLIC ACIDS, NIFEDIPINE

PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NAD(H2)
R01DE-03917-11 Fluoride and the metabolism of plaque bacteria
R01DE-06622-03 Molecular mechanisms of periodontal disease

PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)

PYRIDINES, NICOTINE
SEE ALSO CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS
SEE ALSO PSYCHOLOGY, HABITS, SMOKING
R03DE-07877-01 Microcirculation of the hamster gingiva

PYRIDINOLS
P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)

PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES, THYMIDINE
R01DE-06000-06 Effect of parotid function on saliva and cells (rats)

PYRIMIDINE NUCLEOSIDES, URACIL NUCLEOSIDES, DEOXYURIDINE
R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)

PYROGEN RELEASING SUBSTANCE (PRS)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

PYROPHOSPHATES
SEE PHOSPHATES, PYROPHOSPHATES

PYRUVATES
SEE FATTY ACIDS, PYRUVATES

QA.2 ANTIGENS
SEE TISSUE COMPATIBILITY TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

QUADRUPLETS
SEE FAMILY, TWINS AND MULTIPLETS

QUAIL
SEE BIRDS, QUAIL*

QUALITY, DIAGNOSTIC
SEE DIAGNOSTIC QUALITY STANDARDS

QUALITY OF HEALTH CARE
SEE HEALTH CARE QUALITY

QUALITY OF WATER
SEE WATER QUALITY

QUESTIONNAIRES
SEE INFORMATION GATHERING (DATA COLLECTION), QUESTIONNAIRES

QUINTUPLETS
SEE FAMILY, TWINS AND MULTIPLETS

RACEMIZATION
SEE CHEMICAL STRUCTURE, ISOMERS, RACEMIZATION

RACIAL STOCKS
SEE SOCIAL GROUPS, RACIAL STOCKS

RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS (290NM TO 380NM)
P50DE-02668-20 0150 Regional dental research center - Polymerization of tooth restorative composite materials
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)

RADIATION, ELECTROMAGNETIC WAVES, VISIBLE LIGHT (380NM TO 720NM)
SEE ALSO PHOTOCHEMISTRY
R03DE-07838-01 Phototransduction as a velopharyngeal biofeedback technique (human)

RADIATION, ELECTROMAGNETIC WAVES, X-RAYS
** R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION, IONIZING RADIATION
SEE ALSO RADIATION, ELECTROMAGNETIC WAVES, X-RAYS
** R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION ASSOCIATED CARCINOGENESIS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, RADIATION

RADIATION DOSAGE AND DOSIMETRY
R03DE-07422-01 Effect of film speed on radiographic diagnostic yield (human)
** R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION DOSAGE AND DOSIMETRY, RADIATION THERAPY DOSAGE
R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)

RADIATION EFFECTS
SEE ALSO GENETICS, RADIATION GENETICS
SEE ALSO IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION
SEE ALSO NEOPLASMS, RADIATION INDUCED
SEE ALSO NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, RADIATION
SEE ALSO RADIATION SENSITIVITY
R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
** R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
** P50DE-07003-03 0007 Rochester caries research center - Radiation-induced xerostomia and caries parameters (human)
** R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION ENVIRONMENTAL
SEE RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL

RADIATION GENETICS
SEE GENETICS, RADIATION GENETICS

RADIATION IMMUNOSUPPRESSION
SEE IMMUNITY, IMMUNOSUPPRESSION, RADIATION IMMUNOSUPPRESSION

RADIATION INDUCED NEOPLASMS
SEE NEOPLASMS, RADIATION INDUCED

RADIATION PROTECTION DRUGS
SEE RADIOLOGICAL HEALTH, RADIATION PROTECTION DRUGS

RADIATION SENSITIVITY
** R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
R01DE-07686-02 Regulation of antibody response to bacterial antigens (bacteria, mice)
** R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION SENSITIZING AGENTS
SEE RADIOSENSITIZERS (GENERAL)

RADIATION STUDY SECTION
** R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
** R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

RADIATION THERAPY DOSAGE
SEE RADIATION DOSAGE AND DOSIMETRY, RADIATION THERAPY DOSAGE

RADICALS (CHEMISTRY)
SEE ELECTRONIC SPECTRA, FREE RADICALS

RADIO
SEE INFORMATION DISSEMINATION, RADIO

RADIOASSAY (RADIOMETRY)
SEE ALSO RADIOGRAPHY*
SEE ALSO RADIOTRACERS*
R01DE-03180-16 Microbiologic studies of the human oral streptococci (also rabbits)

RADIOAUTOGRAPHY, RADIONUCLIDE EMISSION TOMOGRAPHY, SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY
** R43DE-07700-01 Compton scatter tomography for maxillodental imaging

RADIOBIOLOGY (GENERAL)
SEE RADIATION EFFECTS

RADIODIAGNOSIS AND RADIODIAGNOSTIC METHODS
SEE ALSO DIAGNOSTIC RADIOLOGY STUDY SECTION
R03DE-07422-01 Effect of film speed on radiographic diagnostic yield (human)

RADIODIAGNOSTIC METHODS
SEE RADIODIAGNOSIS AND RADIODIAGNOSTIC METHODS

RADIOGRAPHY*
SEE ALSO DENTAL VISUALIZATION, DENTAL RADIOGRAPHY*
R03DE-07422-01 Effect of film speed on radiographic diagnostic yield (human)
R43DE-07700-01 Compton scatter tomography for maxillodental imaging

RADIOGRAPHY, TOMOGRAPHY*
** P01DE-06946-03 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
** P50DE-07618-01 0005 Orofacial pain research center - Efficacy of TMJ radiographs (human)
R43DE-07700-01 Compton scatter tomography for maxillodental imaging
R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)

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**Oriented significantly to above subject

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See Appendix for investigator's name and Grant Number

RADIOGRAPHY, XEROGRAPHY
** P01DE-06946-03 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint

RADIOIMMUNOASSAY
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, RADIOIMMUNOASSAY*

RADIOISOTOPE TRACERS
SEE RADIOTRACERS*

RADIOLABELED ANTIBODIES FOR THERAPY
SEE IMMUNITY, IMMUNOTHERAPY (GENERAL)

RADIOLOGICAL HEALTH, RADIATION ENVIRONMENTAL
SEE ALSO NEOPLASMS, RADIATION INDUCED
R01DE-07713-05 Low-dose x-radiation effects on DMBA-DNA interactions

RADIOLOGICAL HEALTH, RADIATION PROTECTION DRUGS
** R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)

RADIOLOGY AND NUCLEAR MEDICINE STUDY SECTION
SEE DIAGNOSTIC RADIOLOGY STUDY SECTION

RADIOMETRY
SEE RADIOASSAY (RADIOMETRY)

RADIOSENSITIVITY
SEE RADIATION SENSITIVITY

RADIOSENSITIZERS (GENERAL)
** R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)

RADIOTRACERS*
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, RADIOIMMUNOASSAY*
R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)

RAPHE NUCLEUS, DORSAL
SEE BRAIN, MESENCEPHALON, RAPHE NUCLEUS, DORSAL

RATE OF ADMINISTRATION, DRUGS
SEE DOSAGE AND ROUTE, RATE AND DURATION OF ADMINISTRATION

REACTION DYNAMICS, KINETICS, MECHANISMS
SEE CHEMICAL REACTIONS (DYNAMICS)

REACTION SITES, CHEMICAL
SEE CHEMICAL REACTION SITES

RECEPTOR SITES, ENZYMES
SEE ENZYME STRUCTURE

RECEPTORS OF NON-SENSORY STIMULI (GENERAL)
SEE ALSO BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)
SEE ALSO ENDOCRINOLOGY, HORMONE BINDING PROTEINS
SEE ALSO ENDOCRINOLOGY, HORMONE RECEPTORS
SEE ALSO IMMUNOLOGY, COMPLEMENT RECEPTORS
SEE ALSO NEUROTRANSMITTERS RECEPTORS
R01DE-03738-14 Humoral and cellular mediators of inflammation (human, horses)
R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)
R23DE-07389-02 VIP receptors and submandibular gland function (rats)

RECEPTORS OF SENSORY STIMULI
SEE NERVOUS SYSTEM, AFFERENT NERVES

RECESSIVE DISORDERS, GENETIC
SEE GENETIC DISORDERS, AUTOSOMAL RECESSIVE CONDITIONS

RECOMBINANT DNA, ARTIFICIALLY INDUCED
SEE GENETIC MANIPULATION

RECOMBINANT DNA, NATURALLY OCCURRING
SEE NUCLEIC ACIDS, SYNTHETIC NUCLEIC ACIDS, HYBRID NUCLEIC ACIDS

RECOMBINATION
SEE GENETICS, RECOMBINATION

RECON
SEE GENETICS, GENES

RECONSTITUTION OF MEMBRANES
SEE MEMBRANE SYNTHESIS AND RECONSTITUTION

RECORD SYSTEMS (HEALTH)
SEE HEALTH RECORDS

RECORDS, MEDICAL
SEE HEALTH RECORDS

RECURRENCE OF DISEASE
SEE DISEASE RECURRENCE

REDOX
SEE OXIDATION-REDUCTION

REFERRAL CENTERS, BIOMEDICAL
SEE BIOMEDICAL REGISTRIES AND REFERRAL CENTERS

REFERRAL CENTERS, IMMUNOLOGICAL PREPARATIONS
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

REFLEX
SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
SEE NEUROPHYSIOLOGY, REFLEX

REGENERATION
SEE GROWTH AND DEVELOPMENT, REGENERATION

REGENERATION, BONE
SEE SKELETAL SYSTEM REGENERATION, BONE REGENERATION

REGENERATION, NERVOUS SYSTEM
SEE NERVOUS SYSTEM REGENERATION

REGENERATION, SKELETAL
SEE SKELETAL SYSTEM REGENERATION

REGIONAL MEDICAL PLANNING
SEE HEALTH CARE (SERVICES) (RESOURCES) PLANNING, REGIONAL MEDICAL PLANNING

REGISTRIES, BIOMEDICAL
SEE BIOMEDICAL REGISTRIES AND REFERRAL CENTERS

REGISTRIES, CELL CULTURE
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES

REGISTRIES, DISEASE (CLINICAL DISEASE)
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

REGISTRIES, IMMUNOLOGICAL PREPARATIONS
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

REGISTRIES, INFORMATION
SEE INFORMATION SYSTEMS (INCL BANKS AND CENTERS)

REGISTRIES, PATIENT (OR CLINICAL DISEASE)
SEE HEALTH RECORD SYSTEMS, PATIENT (DISEASE) REGISTRIES

REGISTRIES, TISSUE
SEE TISSUE RESOURCES, REGISTRIES

REGULATION (SELF) OF (VISCERAL) RESPONSES
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

REINFORCEMENT (CONDITIONING)
SEE PSYCHOLOGY, CONDITIONING, REINFORCEMENT

REITER TREPONEME
SEE BACTERIA, SPIROCHETES*

RELAXANTS, MUSCLE
SEE MUSCLE RELAXANTS

REMEDIAL TRAINING
SEE EDUCATION, SPECIAL (REMEDIAL)

REMOTE SENSORS
SEE BIOMEDICAL SYSTEMS AUTOMATED, TELEMETERING AND REMOTE SENSING

RENAL METABOLISM
SEE KIDNEY METABOLISM

RENAL TUBULAR TRANSPORT
SEE KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT

REPLICATION
SEE GENETICS, CHROMOSOMES, CHROMOSOME REPLICATION

REPLICATION, VIRAL
SEE VIRUS DEVELOPMENT, REPLICATION

REPOSITORIES, TISSUE
SEE TISSUE RESOURCES, REGISTRIES

REPRODUCTION MICROORGANISMS, CONJUGATION MICROORGANISMS
P50DE-02731-20 0019 Development support for dental research institute - Molecular biology laboratory

REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY
** R01DE-07168-03 Membrane function during germination of Candida albicans (mice)

REPRODUCTIVE AND SEX DEVELOPMENT, SEX DIFFERENTIATION
SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, SEX DIFFERENTIATION DISORDERS
SEE ALSO REPRODUCTIVE HORMONES, SEX HORMONES
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, SEX DIFFERENTIATION DISORDERS
SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT, SEX DIFFERENTIATION
R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

REPRODUCTIVE HORMONES, SEX HORMONES
SEE ALSO ANDROSTANE SERIES, ANDROGENS
SEE ALSO PROGESTINS
R01DE-07466-01 H-2-linked control of steroid susceptibilities (mice)

REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS
SEE ALSO BODY FLUIDS, MILK
P50DE-02623-19 0035 Center for oral health research - Cellular aspects of the muring IgA response

REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS, LACTATION
** P01DE-01850-23 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
** P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-20 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
R01DE-05628-07 Interaction between fluoride and other dietary minerals (rats)
** R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)

REPRODUCTIVE SYSTEM FEMALE, UTERUS
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

RESEARCH FACILITIES
SEE BIOMEDICAL FACILITIES
SEE CLINICAL RESEARCH CENTERS
SEE STATISTICAL SERVICE AND CENTERS

RESINS
SEE MOLECULAR CONDENSATIONS, RESINS

RESINS FOR DENTAL FILLINGS
SEE DENTAL MATERIALS, COMPOSITE RESINS

RESORPTION OF BONE, ABNORMAL
SEE SKELETAL DISORDERS, BONE RESORPTION ABNORMAL

RESORPTION OF BONE, NORMAL
SEE SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC

RESORPTION OF TEETH
SEE DENTAL DISORDERS, TOOTH RESORPTION

RESOURCES, IMMUNOLOGICALS
SEE IMMUNOLOGICAL PREPARATIONS (GENERAL) (INCLUDING CERTIFICATION AND STANDARDIZATION)

RESOURCES, TISSUE
SEE TISSUE RESOURCES, REGISTRIES

RESPIRATION
SEE RESPIRATORY FUNCTION, RESPIRATION

RESPIRATORY AIRFLOW DISORDERS
SEE RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS

RESPIRATORY AIRFLOW MEASUREMENTS
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

RESPIRATORY AIRWAY PRESSURE
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES

RESPIRATORY AIRWAY VOLUME
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY VOLUME

RESPIRATORY ANESTHESIA (INHALATION ANESTHESIA)
SEE SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION

RESPIRATORY CENTER DYSFUNCTION HYPOVENTILATION
SEE RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION

RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS
** R01DE-06881-04 Oral facial morphology and breathing--Quantitative studies (human)
** R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)
** R01DE-07105-02 Speech aerodynamics--Regulation/control in cleft palate (human)
R03DE-07419-01 Growth hormone--Craniofacial malformations, sleep apnea (human)

RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*
R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)

RESPIRATORY DRUGS, EXPECTORANTS AND MUCOLYTICS
** R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

RESPIRATORY FUNCTION
SEE ALSO INFORMATION-COMMUNICATION BEHAVIOR, SPEECH
R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)

RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION
** R03DE-07419-01 Growth hormone--Craniofacial malformations, sleep apnea (human)

RESPIRATORY FUNCTION, RESPIRATION
** R01DE-06881-04 Oral facial morphology and breathing--Quantitative studies (human)
R23DE-07351-02 Morphological basis of tongue movement and control (mammals)
R01DE-07803-01 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice)
R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)

RESPIRATORY FUNCTION, RESPIRATORY AIRWAY PRESSURES
** R01DE-07105-02 Speech aerodynamics--Regulation/control in cleft palate (human)

RESPIRATORY FUNCTION, RESPIRATORY AIRWAY VOLUME
** R01DE-07105-02 Speech aerodynamics--Regulation/control in cleft palate (human)

RESPIRATORY GAS CONSUMPTION, OXYGEN CONSUMPTION
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)

RESPIRATORY GAS LEVELS, HYPOXIA
P50DE 02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
R03DE-07598-01 The neurovascular relationship of the dental pulp (dogs)

RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY
SEE ALSO RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION
SEE ALSO TOXICOLOGY, GAS POISONING, CARBON MONOXIDE
** R03DE-07912-01 Carbon monoxide effects on cleft lip development in mice

RESPIRATORY GAS LEVELS, HYPOXIA FETAL
R03DE-07912-01 Carbon monoxide effects on cleft lip development in mice

RESPIRATORY GAS LEVELS, OXYGEN TENSION
SEE ALSO RESPIRATORY GAS LEVELS, HYPOXIA
P50DE-02623-19 0030 Center for oral health research - Cellular control of mineralization
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
** P01DE-06946-03 0012 Pathophysiology of MPD and other facial pain syndromes - Effect of fatigue on pH and pO2 in rabbit masseter
R01DE-07754-01 Dissolution of mercury from dental amalgams

RESPIRATORY HYPOXIA
SEE RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY

RESPIRATORY SYSTEM, LARYNX, EPIGLOTTIS
** R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)

RESPIRATORY SYSTEM, LUNG ALVEOLUS
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)

RESPONSE
SEE STIMULUS-RESPONSE (GENERAL)

RETICULAR FORMATION
SEE BRAIN, RHOMBENCEPHALON, RETICULAR FORMATION

RETICULOENDOTHELIAL SYSTEM
SEE BLOOD AND RE SYSTEM, RETICULOENDOTHELIAL SYSTEM (GENERAL)

RETINAL
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

RETINALDEHYDE
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

RETINENE
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

RETINOIC ACID
SEE VITAMINS, VITAMIN A, RETINOIC ACID

ALL-TRANS RETINOIC ACID
SEE VITAMINS, VITAMIN A, RETINOIC ACID

RETINOIDS
SEE VITAMINS, VITAMIN A ANALOGS

RETINOL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

ALL-TRANS RETINOL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

RETINYL ACETATE
SEE VITAMINS, VITAMIN A ANALOGS

RETRIEVAL, INFORMATION
SEE INFORMATION SYSTEMS, INFORMATION RETRIEVAL

RETROVIRUSES INFECTIONS
SEE VIRUS DISEASES, RETROVIRIDAE

REVASCULARIZATION SURGICAL
SEE CARDIOVASCULAR SURGERY, REVASCULARIZATION SURGICAL

RGV-1 GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES, IMMUNE RESPONSE GENES

RHEOLOGY AIR
SEE RESPIRATORY DISORDERS, RESPIRATORY AIRFLOW DISORDERS
SEE RESPIRATORY DISORDERS DIAGNOSIS, RESPIRATORY AIRFLOW MEASUREMENTS*

RHEOLOGY LIQUIDS
SEE CARDIOVASCULAR FUNCTION, BLOOD FLOW

RHEUMATOID ARTHRITIS
SEE SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID

RHINITIS
SEE NASAL DISORDERS, RHINITIS

RHL-A LOCUS (RHESUS MONKEY)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

RI-1 LOCUS
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

RIBONUCLEIC ACID(S)
SEE NUCLEIC ACIDS, RNA

RIBONUCLEIC ACIDS REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, RNA

RIBONUCLEOSIDES MONO-, DI-, TRIPHOSPHATES
SEE NUCLEOTIDES, RIBONUCLEOTIDES

RIBONUCLEOSIDES PHOSPHATES
SEE NUCLEOTIDES, RIBONUCLEOTIDES

RIBONUCLEOTIDES
SEE NUCLEOTIDES, RIBONUCLEOTIDES

RIBOSE
SEE PENTOSES, RIBOSE

RIBOSOMES
SEE CELL COMPONENTS, RIBOSOMES

RIBOSYLATION
SEE CHEMICAL REACTIONS, GLYCOSYLATION

RICKETS
SEE SKELETAL DISORDERS, BONE METABOLISM, RICKETS

RICKETS, ADULT
SEE SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA

RICKETTSIAL METABOLISM
SEE MICROORGANISMS METABOLISM

RISK, DISEASE PRONENESS
SEE DISEASE PRONENESS-RISK

RL-A LOCUS (RABBIT)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

RNA
SEE NUCLEIC ACIDS, RNA

RNA BIOSYNTHESIS
SEE NUCLEIC ACIDS SYNTHESIS, RNA

RNA CLONING
SEE GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING

RNA REPLICATION
SEE NUCLEIC ACIDS SYNTHESIS, RNA

RODS, GRAM-NEGATIVE
SEE BACTERIA, GRAM-NEGATIVE*

RODS, GRAM-POSITIVE
SEE BACTERIA, GRAM-POSITIVE*

ROLE MODELS OF BEHAVIOR
SEE MODELS, PSYCHOLOGICAL MODELS

ROOT CANAL FILLING MATERIALS
SEE DENTAL MATERIALS, ROOT CANAL FILLING MATERIALS

ROOT CANAL THERAPY
SEE DENTISTRY, ENDODONTICS, ROOT CANAL THERAPY

ROUTE OF ADMINISTRATION
SEE DOSAGE AND ROUTE, ROUTE OF ADMINISTRATION

RURAL AREAS
SEE SOCIOENVIRONMENT, RURAL AREAS

S
SEE SULFUR (COMPOUNDS) --SEE ALSO THI...

S REGION GENES
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

SACCHARIN
SEE FOOD, SWEETENING AGENTS

SAFETY OF MEDICAL EQUIPMENT
SEE BIOMEDICAL ENGINEERING, MEDICAL EQUIPMENT SAFETY

SAIMIRI
SEE MAMMALS, PRIMATES, MONKEYS AND APES, NEW WORLD MONKEYS, SAIMIRI SP.*

SALIVA
SEE ORAL-PHARYNGEAL, SALIVA

SALIVARY GLANDS
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS

SALIVARY GLAND DISORDERS
SEE ORAL-PHARYNGEAL DISORDERS, SALIVARY GLAND DISORDERS

SALIVARY GLAND NEOPLASMS
SEE NEOPLASMS OF ORAL-PHARYNGEAL STRUCTURES, SALIVARY GLAND NEOPLASMS

SALIVARY GLAND VIRUSES
SEE VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE

SALIVATION
SEE ORAL-PHARYNGEAL, SALIVATION

SALMONELLA
SEE BACTERIA, ENTEROBACTERIACEAE, SALMONELLA*

SALTS
SEE CHEMICALS (GENERAL), SALTS (GENERAL)

SARCOMA
SEE NEOPLASMS, SARCOMA

SARCOMA GROWTH FACTOR
SEE GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS

SARCOMERES
SEE MUSCLE CELLS, SARCOMERES

SATISFACTION
SEE PSYCHOLOGY, ATTITUDES, PERSONAL SATISFACTION

SCALLOPS
SEE MOLLUSKS, PELECYPODS*

SCARLET FEVER
SEE BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS

SCARS
SEE INJURIES, SCARS

SCHEDULE, DOSAGE
SEE DOSAGE AND ROUTE, DOSAGE

SCHIFF BASES
SEE IMINES, SCHIFF BASES

SCLERODERMA
SEE SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA

SCLEROSIS DISSEMINATED(MULTIPLE SCLEROSIS)
SEE NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS

SCLEROSIS, PROGRESSIVE SYSTEMIC
SEE SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA

SCREENING
SEE DIAGNOSTIC SERVICES, MASS SCREENING
SEE DRUGS SCREENING AND EVALUATION
SEE TOXICOLOGY, TOXICANT SCREENING

SCREENING, TOXICOLOGICAL
SEE TOXICOLOGY, TOXICANT SCREENING

SE
SEE METALS, METALLOIDS, SELENIUM (COMPOUNDS)

SEAFOOD
SEE FOOD, SEAFOOD

SEALANTS, DENTAL
SEE DENTAL MATERIALS, DENTAL ADHESIVES AND SEALANTS

SECONDARY DISEASE (TRANSPLANTATION)
SEE TISSUE COMPATIBILITY-TRANSPLANT, GRAFT VERSUS HOST REACTIONS

SECRETION OF CELL PRODUCTS, EXOCYTOSIS
SEE CELL SECRETION, EXOCYTOSIS

SECRETION OF CELL WASTES
SEE BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS, EXCRETION

SECRETORY IMMUNOGLOBULIN A
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

SECRETORY MECHANISMS
SEE BIOLOGICAL TRANSPORT, SECRETORY MECHANISMS

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number.

SECRETORY (ANTIBODY) (FACTOR) SYSTEM
SEE IMMUNOLOGY, SECRETORY (ANTIBODY) (FACTOR) SYSTEM

SEDATIVES
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

SELENIUM (COMPOUNDS)
SEE METALS, METALLOIDS, SELENIUM (COMPOUNDS)

SELF CARE
SEE HEALTH, SELF CARE

SELF-CARE MODELS
SEE MODELS, HEALTH CARE MODELS

SELF-CONCEPT
SEE PSYCHOLOGY, PERSONALITY DEVELOPMENT, SELF-CONCEPT

SELF MEDICATION
SEE HEALTH, SELF CARE

SELF REGULATION (CONTROL) OF AUTONOMIC (VISCERAL) RESPONSES
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

SENIOR CITIZENS
SEE AGE (HUMAN), ADULT, OLD AGE (65 TO 99 YRS)

SENSE ORGANS, CHEMORECEPTORS
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE
** R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)

SENSE ORGANS, MECHANORECEPTORS
SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)
SEE ALSO SENSE ORGANS, PRESSORECEPTORS
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TOUCH
R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)
R01DE-06725-03 Anatomical studies of sensory trigeminal nuclei (rats)
R01DE-06943-03 Central projections of MES V afferents (cats)
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)
** R01DE-07662-01 Trigeminal second-order structure-function relationships (rats)

SENSE ORGANS, PRESSORECEPTORS
** P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)

SENSORIMOTOR SYSTEMS (GENERAL)
SEE NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)

SENSORY CORTEX
SEE BRAIN, TELENCEPHALON, CEREBRUM, CORTEX, SENSORY CORTEX

SENSORY DEPRESSION, ANALGESIA
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANALGESICS
** R01DE-05369-08 Factors affecting dental postoperative pain (human)
** R01DE-06682-04 CNS modulation of orofacial input to the neucleus of V (rats, mice)
** R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA
** P01DE-06946-03 0002 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)

SENSORY DEPRESSION, ANESTHESIA (GENERAL), INHALATION
R01DE-07696-02 Psychomotor impairment related to nitrous oxide exposure (human, rats)

SENSORY DEPRESSION, ANESTHESIA DENTAL
P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man
R01DE-06427-05 Permeability characteristics of dentin (dogs, human)
** R03DE-07837-01 Local anesthetic toxicity--Effect of vasoconstrictors (mice)

SENSORY DEPRIVATION
** P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)

SENSORY DISORDERS
SEE SENSORY-PERCEPTUAL DISORDERS, SENSORY DISORDERS

SENSORY DISORDERS AND LANGUAGE STUDY SECTION
** R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
** R01DE-07105-02 Speech aerodynamics--Regulation/control in cleft palate (human)
** R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

SENSORY FEEDBACK
** R01DE-06943-03 Central projections of MES V afferents (cats)

SENSORY MECHANISMS (GENERAL)
SEE SENSORY-PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)

SENSORY NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES

SENSORY-PERCEPTUAL DISORDERS, SENSORY DISORDERS
SEE ALSO SENSORY DISORDERS AND LANGUAGE STUDY SECTION
M P50DE-07509-01 Role of CNS adaptive mechanisms in orofacial sensation
P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
** P50DE-07509-01 0002 Role of CNS adaptive mechanisms in orofacial sensation - Dynamic influences of somatosensory cortical neurons (monkeys)
P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
** P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)
** P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)
** R03DE-07744-01 Evaluation of sensory loss after mandibular osteotomy (human)

SENSORY-PERCEPTUAL PROCESSES, DISCRIMINATION
P50DE-07509-01 0001 Role of CNS adaptive mechanisms in orofacial sensation - Sensory recovery after temporary loss of peripheral input (monkeys)
R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)

SENSORY-PERCEPTUAL PROCESSES, IMAGERY
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)

SENSORY-PERCEPTUAL PROCESSES, PAIN
SEE ALSO DENTAL PAIN
SEE ALSO NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA
SEE ALSO NEUROLOGIC MANIFESTATIONS, HEADACHE
SEE ALSO ORAL-FACIAL PAIN
SEE ALSO ORAL-PHARYNGEAL DISORDERS, MPD SYNDROME
SEE ALSO SENSORY DEPRESSION, ANALGESIA
** R01DE-04786-09 Dental and orofacial pain--Brain stem mechanisms (cats)
P01DE-06946-03 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preothodontic patients
M P50DE-07618-01 Orofacial pain research center
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)
P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
** P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)
R01DE-07905-01 Single neuronal activation by multiple opiate substrates (rats)

SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE
P50DE-05130-07 0005 Dental/orofacial pain--Mechanisms behavior and modulation - Tooth evoked potentials in monkeys--Origins and pain correlatae
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
** R01DE-05369-08 Factors affecting dental postoperative pain (human)
** R01DE-06219-04 Facial behavior related to acute dental pain (human)
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06585-04 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys)
P01DE-06946-03 0002 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)
** P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain
P01DE-06946-03 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
** R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)

SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION
SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)
SEE ALSO MUSCLE FUNCTION, MUSCLE STRETCH REFLEX
** R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)
R03DE-07744-01 Evaluation of sensory loss after mandibular osteotomy (human)

SENSORY-PERCEPTUAL PROCESSES, SENSORY MECHANISMS (GENERAL)
P50DE-05130-07 0007 Dental/orofacial pain--Mechanisms behavior and modulation - Electrical brain activity and orofacial pain in man

SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS
SEE ALSO BRAIN, TELENCEPHALON, CEREBRUM, CORTEX, SOMESTHETIC SENSORY AREA
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, CUTANEOUS SENSORY NERVES
SEE ALSO NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PAIN
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, PROPRIOCEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TOUCH
** P50DE-02668-20 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)
R01DE-06027-05 Kinesthetic mechanisms in the trigeminal system (cats)

SENSORY-PERCEPTUAL PROCESSES, TASTE
** R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)

SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD
R01DE-05476-06 Novel peptide derived sweeteners

SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
P50DE-02668-20 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

SENSORY-PERCEPTUAL PROCESSES, TOUCH
** P50DE-02668-20 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)
** P50DE-02668-20 0210 Regional dental research center - Somesthetic capacities of human subjects (monkeys)
R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)

SENSORY THRESHOLDS
SEE ALSO SENSORY DEPRESSION, ANALGESIA
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD
P50DE-02668-20 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)
** R01DE-07695-02 Organization of cortical tooth representations (monkeys)

SERINE
SEE AMINO ACIDS, SERINE

SEROTONIN
SEE BENZOPYRROLES, SEROTONIN

SEROTYPES, SEROTYPING
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, SEROTYPING

SERRATIA MARCESCENS
SEE BACTERIA, ENTEROBACTERIACEAE, SERRATIA MARCESCENS*

SERUM
SEE BLOOD AND RE SYSTEM, BLOOD, SERUM

SERUM PROTEINS
SEE BLOOD PROTEINS

SERVOMECHANISMS (NEURAL)
SEE INFORMATION PROCESSING AND CONTROL (NEURAL)

SEX
SEE ALSO REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY
SEE ALSO REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, SEX DIFFERENTIATION DISORDERS
SEE ALSO REPRODUCTIVE HORMONES, SEX HORMONES
P50DE-07003-03 0006 Rochester caries research center - Hyposalivation, drug use and caries in the elderly

SEX, SEX DIFFERENCE
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
P01DE-02847-18 0021 Microbial ecology and its relation to dental disease - Oral colonization of cariogenic and plaque forming bacteria
P01DE-03610-20 0017 Craniofacial growth and development Prenatal patterns of abnormal human craniofacial morphogenesis
P50DE-07003-03 0008 Rochester caries research center - Identifying caries susceptible subjects

(contd)

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**Oriented significantly to above subject

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R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
R01DE-07204-02 Family studies of early onset periodontitis (human)
R01DE-07381-02 Prevalence of xerostomia--Relation to selected variables (human)

SEX DIFFERENCE
SEE SEX, SEX DIFFERENCE

SEX DIFFERENTIATION
SEE REPRODUCTIVE AND SEX DEVELOPMENT, SEX DIFFERENTIATION

SEX DIFFERENTIATION DISORDERS
SEE REPRODUCTIVE AND SEX DEVELOPMENT DISORDERS, SEX DIFFERENTIATION DISORDERS

SEX HORMONES
SEE REPRODUCTIVE HORMONES, SEX HORMONES

SEXUAL DIMORPHISM (MICROORGANISM)
SEE REPRODUCTION MICROORGANISMS, SEXUAL DIMORPHISM-HETEROGAMY

SF ANTIGEN
SEE GLYCOPROTEINS, FIBRONECTIN

SH ANTIGEN
SEE IMMUNOLOGY, ANTIGENS VIRAL, HEPATITIS B ANTIGEN (HBAG)

SHINGLES
SEE VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)

SHORT-TERM MODULATION, NEURONAL
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

SI
SEE SILICON

SIALIC ACIDS
SEE SUGAR ACIDS, SIALIC ACIDS

SIALIDASE
SEE CARBOHYDRASES, NEURAMINIDASE

SIALOGLYCOPROTEIN
SEE GLYCOPROTEINS

SIBLING ORDER, POSITION
SEE FAMILY, SIBLING ORDER

SICCA SYNDROME
SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

SIGNS AND SYMPTOMS (NOT GROUPED ELSEWHERE)
SEE DISEASES, SIGNS-SYMPTOMS (NOT GROUPED ELSEWHERE)

SILICATES
R01DE-06409-04 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human)

SILICATES, CERAMICS
** R03DE-07451-01 Inducing osteogenesis in hydroxylapatite with DC current (dogs)
** R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)
** R03DE-07863-01 Characterization of a castable ceramic material

SILICATES, GLASS
R01DE-05460-06 Bonding of dental porcelain to non-precious alloys
R43DE-07832-01 New improved dental composites

SILICON
R01DE-06730-03 Dental implant surfaces impeding epithelial migration (rats)

SILICON COMPOUNDS ORGANIC
** R43DE-07532-01 New restorative dental resins

SILVER (COMPOUNDS)
SEE METALS, HEAVY METALS, SILVER (COMPOUNDS)

SIMIAN VIRUSES
SEE VIRUSES, SIMIAN VIRUSES

SINGLE CELL ANALYSIS
SEE CELLS, SINGLE CELL ANALYSIS

SINGLE FILE PORE DIFFUSION
SEE BIOLOGICAL TRANSPORT, PASSIVE TRANSPORT, DIFFUSION

SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY
SEE RADIOAUTOGRAPHY, RADIONUCLIDE EMISSION TOMOGRAPHY, SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY

SINGLE UNIT (CELL) ANALYSIS
SEE CELLS, SINGLE CELL ANALYSIS

SINGLE UNIT TRAINING (AUTOGENIC)
SEE PSYCHOLOGY, CONDITIONING, AUTOGENIC AND INTERNAL CONTROL

SINGLET STATE
SEE ELECTRONIC SPECTRA, SINGLET STATE

SINUSES (PARANASAL)
SEE NASAL, PARANASAL SINUSES

SJOGREN'S SYNDROME
SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

SKELETAL DISORDERS (GENERAL)
** R03DE-07597-01 Craniofacial growth in giant transgenic mice

SKELETAL DISORDERS, ARTHRITIS
P50DE-02731-20 0001 Development support for dental research institute - Stomatognathic physiology laboratory (human)
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)

SKELETAL DISORDERS, ARTHRITIS, ANTIARTHRITIC AGENTS
SEE ALSO DISEASES, PATHOLOGIC PROCESSES, INFLAMMATION, ANTIINFLAMMATORY AGENTS
SEE ALSO NEUROPHARMACOLOGICAL AGENTS, ANALGESICS
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS
R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
P01DE-06946-03 0009 Pathophysiology of MPD and other facial pain syndromes - Surgical denervation and the structures of the TMJ
P01DE-06946-03 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)
R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)

SKELETAL DISORDERS, ARTHRITIS, RHEUMATOID
SEE ALSO CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME
SEE ALSO IMMUNOLOGY, ANTIGEN-ANTIBODY REACTIONS, IMMUNE COMPLEXES
P50DE-02670-20 0038 Institute of dental research - Immunology-pathology of the different collagen types (rats)
** R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)

SKELETAL DISORDERS, BONE DEVELOPMENT, DWARFISM, PITUITARY
** R03DE-07419-01 Growth hormone--Craniofacial malformations, sleep apnea (human)

SKELETAL DISORDERS, BONE DEVELOPMENT, GIGANTISM
R03DE-07597-01 Craniofacial growth in giant transgenic mice

SKELETAL DISORDERS, BONE DISORDERS (GENERAL)
SEE ALSO PITUITARY GLAND DISORDERS, ACROMEGALY
SEE ALSO SKELETAL DISORDERS (GENERAL)
** R01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
R03DE-07317-01 Ability of thiophenes to inhibit alveolar bone loss in vivo (hamsters, rats)
R03DE-07715-01 Parvovirus associated craniofacial disturbances (hamsters, rats)

SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
SEE ALSO CALCIUM (MINERAL) IMBALANCES
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, MARFAN SYNDROME
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOPETROSIS
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P01DE-01850-23 0081 Nutritional sources and metabolic roles of fluoride - Effect of fluoride intake on strain N mice
P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)

SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)

SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS
SEE ALSO METABOLIC DISORDERS INBORN, AMINOACIDOPATHIES, GLYCINEMIA
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, RICKETS
P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02658-20 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries
** R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-06065-06 The role of lymphoid cells in alveolar bone resorption (rats)
R01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
** R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)

SKELETAL DISORDERS, BONE METABOLISM, RICKETS
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA
** R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)
** R23DE-07489-01 Pathogenesis of osteopetro-rickets in the toothless rat

SKELETAL DISORDERS, BONE RESORPTION ABNORMAL
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOMALACIA
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM, OSTEOPOROSIS
** P01DE-01850-23 0091 Nutritional sources and metabolic roles of fluoride - Metabolic changes in repletion of bone and effect of fluoride intake (rats)
** P01DE-01850-23 0093 Nutritional sources and metabolic roles of fluoride - Effect of calcium deficiency on the mobilization of skeletal fluoride (rats)
** P50DE-02623-19 0034 Center for oral health research - Bacterial components inducing bone resroption
P50DE-04881-10 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
** R01DE-05255-07 Regulation of collagenase and bone resorption (mice, chick embryo)
** R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
** R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)
R01DE-07128-03 Microbiology of ligature-induced periodontitis (monkeys)
R01DE-07267-03 Periodontopathic bacteria--Chemical-biologic nature (animals)
** R03DE-07317-01 Ability of thiophenes to inhibit alveolar bone loss in vivo (hamsters, rats)
R01DE-07378-02 Human osteoclast-activating factor (mice, rats)
R01DE-07444-01 Tooth eruption and bone resorption (mice, rats)

SKELETAL DISORDERS, CARTILAGE DISORDERS
P01DE-06946-03 0011 Pathophysiology of MPD and other facial pain syndromes - Effects of altered position on articular surface of mandibular condyle (rabbits)

SKELETAL DISORDERS, JOINT DISORDERS
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
SEE ALSO SKELETAL DISORDERS, ARTHRITIS
SEE ALSO SKELETAL DISORDERS, ARTHRITIS, OSTEOARTHRITIS
** R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)
** R03DE-07841-01 The prevalence of symptoms of T M disorders (human)
** R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)

SKELETAL DISORDERS, ORTHOPEDICS
SEE ALSO DENTISTRY, ORTHODONTICS
SEE ALSO ORAL-FACIAL RESTORATION
R01DE-02103-11 Inductive substrates of tooth and bone formation (humans, animals)
** R01DE-07787-01 Functional orthopedic magnetic appliances (monkeys)

SKELETAL DISORDERS, ORTHOPEDICS, ARTHRODESIS
R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)

SKELETAL DISORDERS, OSSIFICATION PATHOLOGIC
SEE ALSO CALCIUM (MINERAL) IMBALANCES, CALCIFICATION PATHOLOGIC
R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)

SKELETAL DISORDERS, OSTEITIS DEFORMANS
** R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)

SKELETAL DISORDERS CHEMOTHERAPY
SEE ALSO CALCIFICATION ENHANCING AGENTS
SEE ALSO CALCIFICATION INHIBITORS
** P01DE-06946-03 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)

SKELETAL DISORDERS DIAGNOSIS (INCL EXAMS)*
SEE ALSO BODY PHYSICAL CHARACTERISTICS (GENERAL)
SEE ALSO MUSCLE FUNCTION, ELECTROMYOGRAPHY*
M P01DE-05837-05 Growth, surgical, and speech aspects of cleft palate
P01DE-05837-05 0005 Growth, surgical, and speech aspects of cleft palate - Psychoeducation project (human)
** P01DE-06946-03 0007 Pathophysiology of MPD and other facial pain syndromes - Incidence of TMJ clicking in preorthodontic patients
R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)
R03DE-07841-01 The prevalence of symptoms of T M disorders (human)
** R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)

SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*
** R01DE-06856-03 Arthrophonometry of the temporomandibular joint (human)
R03DE-07841-01 The prevalence of symptoms of T M disorders (human)
R03DE-07879-01 TMJ disorders--Diagnosis with examination (human)

SKELETAL MOVEMENT, POSTURE
R01DE-05215-08 Influences on stability following orthognathic surgerya (human)
R01DE-06881-04 Oral facial morphology and breathing--Quantitative studies (human)

SKELETAL MUSCLE
SEE MUSCLES, STRIATED MUSCLE

SKELETAL SOUND MEASUREMENTS
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

SKELETAL SYSTEM (GENERAL)
SEE ALSO MUSCLES
** P01DE-01850-23 0093 Nutritional sources and metabolic roles of fluoride - Effect of calcium deficiency on the mobilization of skeletal fluoride (rats)
R23DE-06618-03 Properties of motor units in human mandibular muscles
R23DE-08110-01 Properties of motor units in human mandibular muscles

SKELETAL SYSTEM, BONE
SEE ALSO SKELETAL SYSTEM (GENERAL)
** R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
** P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
R01DE-05030-08 Crystal chemistry of calcium phosphates (human, rats, guinea pigs)
R01DE-05262-07 Mineralization in oral biology (mice, rats)
** R01DE-06954-02 Structural studies of matrix proteins in teeth and bone

SKELETAL SYSTEM, BONE CELLS
P01DE-01697-24 0044 Developmental research in cleft palate - Archive of normal and cleft palate fetal histology
P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)
R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)
** R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

SKELETAL SYSTEM, BONE CELLS, OSTEOBLASTS
P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
R01DE-05255-07 Regulation of collagenase and bone resorption (mice, chick embryo)
R01DE-06165-04 Cell biology of periodontal ligament fibroblasts
R23DE-06766-03 Surgical regeneration of the periodontium (dogs)
R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)
P01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)
R23DE-07679-01 Role of osteogenic growth factor in bone healing (rabbits, rats)

SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR
SEE ALSO SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC
P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
P50DE-02623-19 0034 Center for oral health research - Bacterial components inducing bone resroption
R01DE-05745-15 Ultrastructure of experiment..! periodontitis (dogs, rabbits, rats)
** R01DE-04345-11 Cell biology of osteoclasts (chickens)
** R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
P50DE-04898-10 0001 Periodontal disease research center - Oral microbiology (human, rabbits, rats, mice)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
R01DE-05996-05 Alveolar bone metabolism during tooth eruption (dogs)
** R01DE-06065-06 The role of lymphoid cells in alveolar bone resorption (rats)
R01DE-06949-02 In vitro bone resorption by products of oral bacteria (animals)
** R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)
R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
R01DE-07444-01 Tooth eruption and bone resorption (mice, rats)
R23DE-07489-01 Pathogenesis of osteopetro-rickets in the toothless rat
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

SKELETAL SYSTEM, BONE DENSITY
** P50DE-02668-20 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)

SKELETAL SYSTEM, BONE DEVELOPMENT
SEE ALSO METABOLIC DISORDERS INBORN, EHLERS-DANLOS SYNDROME
M P01DE-03610-20 Craniofacial growth and development
P01DE-03610-20 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
** P01DE-03610-20 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R23DE-07190-02 Craniofacial ossification during anuran metamorphosis
** R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)
** R01DE-07620-02 Neural aspects of craniofacial morphogenesis (frogs)

SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS
SEE ALSO METABOLIC DISORDERS INBORN, OSTEOGENESIS IMPERFECTA
SEE ALSO SKELETAL SYSTEM REGENERATION, BONE REGENERATION
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
R01DE-04008-12 Cellular and developmental control of calcification (chick embryo)
** R03DE-07451-01 Inducing osteogenesis in hydroxylapatite with DC current (dogs)

SKELETAL SYSTEM, BONE DEVELOPMENT, OSSIFICATION NORMAL
SEE ALSO CALCIUM (MINERAL) BALANCE, CALCIFICATION PHYSIOLOGIC
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
R01DE-02525-20 Ultrastructural histopathology of human dental enamel
** P50DE-02623-19 0030 Center for oral health research - Cellular control of mineralization
P50DE-02668-20 0151 Regional dental research center - Factors controlling the flux of ions into developing enamel
P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
P50DE-02668-20 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
M P50DE-02670-20 Institute of dental research
** P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
P50DE-02670-20 0014 Institute of dental research - Intraoral and in vitro studies of dental caries
** R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
** R01DE-04345-11 Cell biology of osteoclasts (chickens)
R01DE-04385-11 Mechanism of dental caries
** R01DE-05780-04 Development and mineralization of enamel in teeth
** R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
** R01DE-06552-05 Hydroxyapatite remineralization--The role of fluoride
** R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)
R01DE-06954-02 Structural studies of matrix proteins in teeth and bone
P50DE-07010-03 0010 Specialized caries research center - TSRLM project
** R01DE-07431-03 Ultrastructual studies of mineralized tissue (chicks, rats)

SKELETAL SYSTEM, BONE METABOLISM
SEE ALSO SKELETAL DISORDERS, BONE METABOLISM (GENERAL)
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)
R01DE-04345-11 Cell biology of osteoclasts (chickens)
** R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-05996-05 Alveolar bone metabolism during tooth eruption (dogs)
** R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)

SKELETAL SYSTEM, BONE METABOLISM, BONE RESORPTION-REMODELING PHYSIOLOGIC
SEE ALSO IMMUNITY, CYTOKINES, LYMPHOKINES, OSTEOCLAST ACTIVATING FACTOR
SEE ALSO SKELETAL SYSTEM, BONE CELLS, OSTEOCLASTS
P01DE-01850-23 0086 Nutritional sources and metabolic roles of fluoride - Absorption of fluoride from dietary substances (mice)
** P50DE-02600-20 0028 Support for oral biology research center - Repletion and coupling in bone volume regulation (human, monkeys)
** P50DE-02668-20 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
** R01DE-04345-11 Cell biology of osteoclasts (chickens)
** R01DE-04724-08 Cellular events in bone remodeling (rats, mice, chickens)
P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
** R01DE-04961-07 Mechanisms of bone resorption in chronic periodontitis (mice)
** R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)
** R01DE-05558-06 Sensory alterations of craniofacial form (monkeys)
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
R01DE-06007-04 Periodontal tissue changes during pregnancy-lactation (rats)
** R01DE-06065-06 The role of lymphoid cells in alveolar bone resorption (rats)
R01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)
** R01DE-07220-02 Bioactive factors in skeletal repair (rabbits, rats)
** R23DE-07225-02 Influence of mast cells on bone remodelling (mice)
R01DE-07332-02 Analysis of utility of implants in craniofacial research
** R01DE-07444-01 Tooth eruption and bone resorption (mice, rats)
R23DE-07559-02 Synthesis of a craniofacial wound healing factor (human)
R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)
R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

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*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

SKELETAL SYSTEM, CARTILAGE
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
** P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-05262-07 Mineralization in oral biology (mice, rats)
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

SKELETAL SYSTEM, CARTILAGE CELLS
P01DE-01697-24 0044 Developmental research in cleft palate - Archive of normal and cleft palate fetal histology
P50DE-02731-20 0031 Development support for dental research institute - Biochemistry laboratory (human)
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
** R01DE-06533-04 Vesicles and endochondral bone formation (chickens)
R01DE-06886-03 Bioactive factors from demineralized adult bone (chick embryo)

SKELETAL SYSTEM, CARTILAGE DEVELOPMENT
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
P01DE-03610-20 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
** P01DE-03610-20 0018 Craniofacial growth and development - Growth function, and adaptation of the masticatory complex (humans, monkeys)
P01DE-05837-05 0002 Growth, surgical and speech aspects of cleft palate - Maxillofacial growth (dogs)
** R23DE-06982-03 Biomechanical influences on condylar cartilage growth (rats)
** R01DE-07431-09 Ultrastructual studies of mineralized tissue (chicks, rats)
R01DE-07674-01 Analysis of primary palate formation (chick embryos)

SKELETAL SYSTEM, CARTILAGE METABOLISM
SEE ALSO CONNECTIVE TISSUE DISORDERS, COLLAGEN DISEASES
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
R01DE-04141-12 Mechanism of hard tissue mineralization (human, rats)

SKELETAL SYSTEM, LIGAMENT
R01DE-03745-15 Ultrastructure of experimental periodontitis (dogs, rabbits, rats)
R23DE-07075-02 Tissue interactions in root development (mice)
** R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)

SKELETAL SYSTEM, LIMB
R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)

SKELETAL SYSTEM, LIMB BONES, FEMUR
R01DE-07220-02 Bioactive factors in skeletal repair (rabbits, rats)
R01DE-07431-09 Ultrastructual studies of mineralized tissue (chicks, rats)

SKELETAL SYSTEM, LIMB BONES, TIBIA
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)

SKELETAL SYSTEM, PELVIC BONES, ILIUM
R01DE-07220-02 Bioactive factors in skeletal repair (rabbits, rats)

SKELETAL SYSTEM, SKULL
SEE ALSO CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL
SEE ALSO NASAL NOSE
SEE ALSO OCAL-FACIAL RESTORATION
SEE ALSO ORAL-PHARYNGEAL, JAW
SEE ALSO ORAL-PHARYNGEAL, PALATE
** P50DE-02668-20 0196 Regional dental research center - Ultracytochemical demonstration of enzymes and biomacromolecules (mice)
R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
M P01DE-03610-20 Craniofacial growth and development
** P01DE-03610-20 0016 Craniofacial growth and development - Craniofacial growth from change (human)
** R01DE-05232-08 Musculoskeletal adaptation to increased midfacial height (monkeys)
R01DE-05728-05 Role of chemoreceptors in craniofacial function (lambs)
R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
** R01DE-06891-01 Cellular basis of craniofacial bone disorders (chicks, mice)
P01DE-06945-03 0004 Pathophysiology of MPD and other facial pain syndromes - Xeroradiographic tomography of the temporomandibular joint
** R01DE-07120-03 Cell-substrate interaction in craniofacial morphogenesis
** R23DE-07190-02 Craniofacial ossification during anuran metamorphosis
R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
** R03DE-07497-01 Craniofacial growth in giant transgenic mice
** R01DE-07620-02 Neural aspects of craniofacial morphogenesis (frogs)
** R03DE-07715-01 Parvovirus associated craniofacial disturbances (hamsters, rats)

SKELETAL SYSTEM, TENDONS
SEE ALSO MUSCLES
** P01DE-06946-03 0010 Pathophysiology of MPD and other facial pain syndromes - Tendon in normal and fatigued states (rat, human)

SKELETAL SYSTEM CIRCULATION
R01DE-05605-06 The humoral regulation of pulp circulation (rats, dogs)

SKELETAL SYSTEM REGENERATION
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
** P01DE-07687-05 0001 Regeneration and transplantation of skeletal muscle - Molecular dynamics of synapse formation in regenerating muscle (rats)
** P01DE-07687-05 0002 Regeneration and transplantation of skeletal muscle - Synapse formation in regenerating muscle (rats)
** P01DE-07687-05 0006 Regeneration and transplantation of skeletal muscle - Control of protein synthesis in regenerating muscle (rat)
** P01DE-07687-05 0007 Regeneration and transplantation of skeletal muscle - Hormonal regulation of muscle regeneration (rat)

SKELETAL SYSTEM REGENERATION, BONE REGENERATION
SEE ALSO SKELETAL SYSTEM, BONE DEVELOPMENT, OSTEOGENESIS
R01DE-06250-04 Histologic evaluation of new attachments in humans
** R01DE-07220-02 Bioactive factors in skeletal repair (rabbits, rats)

SKELETAL TISSUE PRESERVATION, BONE
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)

SKELETAL TISSUE TRANSPLANTATION
** R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SKELETAL TISSUE TRANSPLANTATION, BONE
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
R01DE-06250-04 Histologic evaluation of new attachments in humans
R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
R03DE-07592-01 Effect of ceramic grafts on tooth eruption (cats)

SKELETAL TISSUE TRANSPLANTATION, CARTILAGE
R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SKIN (GENERAL)
SEE ALSO FIBROUS PROTEINS, KERATIN
SEE ALSO GROWTH FACTORS (INCL ANABOLICS), EPIDERMAL GROWTH FACTOR
R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)
** R01DE-04660-11 Keratohyalin in keratinization Oral mucosa and skin (human)
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
R23DE-07190-02 Craniofacial ossification during anuran metamorphosis
P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man
P50DE-07509-01 0005 Role of CNS adaptive mechanisms in orofacial sensation - Neural system sensitive components in cutaneous motion analysis (human)
** R03DE-07573-01 Sweat pore counts in ectodermal dysplasia and hypodontia

SKIN, DERMATOGLYPHICS
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics

SKIN, KERATINOCYTES
SEE ALSO FIBROUS PROTEINS, KERATIN
** R01DE-05395-07 Stem cells in oral mucosa (mice)

SKIN, LANGERHANS CELLS
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)
R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

SKIN DISORDERS, ERYTHEMA (GENERAL)
SEE ALSO CONNECTIVE TISSUE DISORDERS, LUPUS ERYTHEMATOSUS SYSTEMIC
R01DE-05967-04 Role of arachidonate metabolites in periodontitis
R01DE-07376-02 Biochemical profile for gingival crevicular fluid

SKIN DISORDERS, KELOID
SEE ALSO INJURIES, SCARS
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)

SKIN DISORDERS, SEBACEOUS GLAND, ACNE
R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)

SKIN DISORDERS, SKIN HYPERSENSITIVITY, SCLERODERMA
R01DE-06671-04 Phenytoin--Pathogenesis of gingival overgrowth (cats)

SKIN DISORDERS, SWEAT GLAND
** R03DE-07573-01 Sweat pore counts in ectodermal dysplasia and hypodontia

SKIN DISORDERS CHEMOTHERAPY
R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)

SKIN NEOPLASMS
SEE NEOPLASMS OF SKIN

SKIN SECRETIONS, SWEAT
R03DE-07573-01 Sweat pore counts in ectodermal dysplasia and hypodontia

SKIN TRANSPLANTATION
R01DE-07086-02 Development of artificial oral mucosa (rabbits)

SKULL
SEE SKELETAL SYSTEM, SKULL

SKULL ABNORMALITIES
SEE CONGENITAL ABNORMALITIES, ORAL-FACIAL-CRANIAL

SL-A LOCUS (PIG)
SEE IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)

SLEEP
SEE PSYCHIC ACTIVITY LEVEL, SLEEP

SLEEP APNEA
SEE RESPIRATORY FUNCTION, HYPOVENTILATION, RESPIRATORY CENTER DYSFUNCTION

SLEEP DISORDERS
SEE NEUROLOGIC MANIFESTATIONS, SLEEP DISORDERS

SLEEP WALKING
SEE NEUROLOGIC MANIFESTATIONS, SLEEP DISORDERS

SLIME, BACTERIAL
SEE BACTERIAL CAPSULE

SLIME-MOLD LECTINS
SEE PROTEINS, LECTINS (NON-PLANT)

SLOW RELEASE DENTAL CARIES INHIBITORS
SEE DENTAL CARIES INHIBITORS, SLOW RELEASE

SLOW VIRUS DISEASES
SEE VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW

SMALL INTESTINES
SEE GASTROINTESTINAL SYSTEM, INTESTINES, SMALL INTESTINE

SMALL LYMPHOCYTE DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)

SMOKING TOBACCO
SEE PSYCHOLOGY, HABITS, SMOKING

SMOLDERING VIRUS DISEASES
SEE VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW

SMOOTH MUSCLE, VASCULAR
SEE CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE

SN
SEE METALS, HEAVY METALS, TIN (COMPOUNDS)

SO ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

SOCIAL ADJUSTMENT
SEE PSYCHOLOGY SOCIAL, SOCIAL ADJUSTMENT

SOCIAL BEHAVIOR
SEE PSYCHOLOGY SOCIAL, SOCIAL BEHAVIOR

SOCIAL GROUPS, COMMUNES (COMMUNAL LIVING)
R03DE-07553-01 Family data for dental multifactorial genetic research

SOCIAL GROUPS, ETHNIC
SEE ALSO SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE
** R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

SOCIAL GROUPS, ETHNIC, AMERICAN INDIANS
** R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community

SOCIAL GROUPS, ETHNIC, AMERICANS, ASIAN AMERICANS
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics

SOCIAL GROUPS, ETHNIC, AMERICANS, BLACK AMERICANS
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics

SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics
R03DE-07740-01 Senior adult oral health, tobacco and alcohol use, and diabetes (human)

SOCIAL GROUPS, ETHNIC, AMERICANS, WHITE AMERICANS
R01DE-07062-02 Cleft lip and palate in Los Angeles Hispanics

SOCIAL GROUPS, ETHNIC, ASIANS, CHINESE
R01DE-07160-01 Oral-facial clefts in China a family study

SOCIAL GROUPS, RACIAL STOCKS
P01DE-03610-20 0017 Craniofacial growth and development - Prenatal patterns of abnormal human craniofacial morphogenesis
R01DE-06069-04 A genetic study of cleft lip and cleft palate in Hawaii
R01DE-07204-02 Family studies of early onset periodontitis (human)

SOCIAL HORMONES AND PHEROMONES
SEE ENDOCRINOLOGY, SOCIAL HORMONES AND PHEROMONES

SOCIAL STRESSORS
SEE STRESS, PSYCHOSOCIAL STRESSORS

SOCIAL SUPPORT NETWORKS
SEE ALSO PSYCHOLOGY SOCIAL, COOPERATION
SEE ALSO PSYCHOLOGY SOCIAL, INTERPERSONAL RELATIONS
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
R01DE-06417-03 Factors influencing long-term oral self-care (human)

SOCIOCULTURE
SEE SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE

SOCIOENVIRONMENT
SEE ALSO FAMILY
R01DE-05497-05 Dental disease and work loss (human)

SOCIOENVIRONMENT, RURAL AREAS
R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)

SOCIOENVIRONMENT, URBAN AREAS
R01DE-05622-05 Rx for dental patients at risk for endocarditis (dentists)

SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE
SEE ALSO SOCIAL GROUPS, ETHNIC
** R03DE-07553-01 Family data for dental multifactorial genetic research

SODIUM
R01DE-06185-03 Sympathectomized salivary glands--Cystic fibrosis model (rats)

SODIUM-POTASSIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM-POTASSIUM PUMP

SODIUM PUMP
SEE BIOLOGICAL TRANSPORT, ACTIVE TRANSPORT, ION PUMPS, SODIUM PUMP

SOFT-WIRED NERVOUS SYSTEM
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

SOLANUM
SEE ALKALOIDS, MORPHINES

SOLUBILITY
SEE PHYSICAL PROPERTIES, SOLUBILITY

SOLUTES
SEE PHYSICAL PROPERTIES, SOLUTES

SOLVATION ENERGIES
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

SOLVENTS
SEE PHYSICAL PROPERTIES, SOLVENTS

SOMATESTHESIA
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

SOMATIC AFFERENT NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES, SOMATIC AFFERENT NERVES

SOMATIC ANTIGENS, NONMICROBIAL
SEE IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)

SOMATIC CELL GENETICS
SEE GENETICS, SOMATIC CELL AND TRANSFORMATION

SOMATIC REFLEXES
SEE NEUROPHYSIOLOGY, REFLEX, SOMATIC REFLEXES

SOMATOLOGY (GENERAL)
SEE BODY PHYSICAL CHARACTERISTICS (GENERAL)

SOMATOMEDIN
SEE GROWTH HORMONES VERTEBRATE, SOMATOMEDIN (SULFATION FACTOR), (THYMIDINE FACTOR)

SOMATOSENSORY MOTOR SYSTEM (GENERAL)
SEE NEUROMOTOR SYSTEM, SENSORIMOTOR SYSTEMS (GENERAL)

SOMATOSTATIN
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

SOMATOTROPIN
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOTROPIN

SOMATOTROPIN RELEASE-INHIBITING FACTOR
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

SOMESTHESIS
SEE SENSORY-PERCEPTUAL PROCESSES, SOMESTHESIS

SOMESTHETIC SENSORY AREA
SEE BRAIN, TELENCEPHALON, CEREBRUM, CORTEX, SOMESTHETIC SENSORY AREA

SOMNIFACIENTS
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

SOPORIFICS
SEE PSYCHOPHARMACOLOGICAL AGENTS, HYPNOTICS AND SEDATIVES

SOUND MEASUREMENTS, JOINTS
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

SPANISH (SPAIN) AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS

SPANISH-SPEAKING AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, HISPANICS

SPASM
SEE NEUROMOTOR DISORDERS, SPASM

SPECIAL (REMEDIAL) EDUCATION
SEE EDUCATION, SPECIAL (REMEDIAL)

SPECIES
SEE BIOLOGY, SYSTEMATIC, SPECIES

SPECT
SEE RADIOAUTOGRAPHY, RADIONUCLIDE EMISSION TOMOGRAPHY, SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY

SPECTROSONOGRAPHY (JOINTS)
SEE SKELETAL DISORDERS DIAGNOSIS, SKELETAL SOUND MEASUREMENTS*

SPEECH
SEE INFORMATION-COMMUNICATION BEHAVIOR, SPEECH

SPEECH DISORDERS
SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS

SPEECH DISORDERS DIAGNOSIS
SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH DISORDERS DIAGNOSIS

SPEECH THERAPY
SEE INFORMATION-COMMUNICATION DISORDERS, SPEECH THERAPY

SPINAL CORD COMPRESSION
SEE NERVOUS DISORDERS CENTRAL, SPINAL CORD INJURIES

SPINAL CORD INJURIES
SEE NERVOUS DISORDERS CENTRAL, SPINAL CORD INJURIES

SPIRAL AND CURVED BACTERIA
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

SPIRANES
SEE CYCLICS, SPIRANES

SPIRILLACEAE
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*

SPIRO COMPOUNDS
SEE CYCLICS, SPIRANES

SPIROCHETAL DISEASES
SEE BACTERIAL DISEASES, SPIROCHETAL DISEASES (GENERAL)

SPIROCHETES
SEE BACTERIA, SPIROCHETES*

SPLICING, GENE (GENETIC MANIPULATION)
SEE GENETIC MANIPULATION

SPONTANEOUS CELL-MEDIATED CYTOTOXICITY
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

SPREADING FACTOR
SEE CARBOHYDRASES, HYALURONIDASE

SQUAMOUS CELL CARCINOMA
SEE NEOPLASMS, CARCINOMA EPIDERMOID

SQUIRREL MONKEYS
SEE MAMMALS, PRIMATES, MONKEYS AND APES, NEW WORLD MONKEYS, SAIMIRI SP.*

SR
SEE METALS, ALKALINE EARTH METALS, STRONTIUM (COMPOUNDS)

STABILITY, CHEMICAL
SEE CHEMICAL STABILITY

STAGING, NEOPLASMS
SEE NEOPLASMS CLASSIFICATION AND STAGING

STANDARDIZATION
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION
SEE TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
SEE WATER QUALITY

STANDARDS, DIAGNOSTIC
SEE DIAGNOSTIC QUALITY-STANDARDS

STANDARDS FOR HEALTH CARE QUALITY
SEE HEALTH CARE QUALITY

STANDARDS FOR INFORMATION GATHERING METHODS (GENERAL)
SEE INFORMATION GATHERING METHODS EVALUATION-STANDARDS

STANNOUS FLUORIDE
SEE HALOGENS, FLUORINE (COMPOUNDS) SEE ALSO SPECIFICS

STATISTICAL MODELS
SEE MODELS, MATHEMATICAL

STATISTICAL SERVICE AND CENTERS
** P50DE-07118-02 9001 Periodontal diseases research center - Core--Data processing and statistics

STATISTICS
SEE MATHEMATICS, STATISTICS (INCLUDING BIOMETRY)
SEE NEOPLASTIC DISEASE EPIDEMIOLOGY-STATISTICS

STATUS DYSRAPHICUS
SEE CONGENITAL ABNORMALITIES, FUSION FAILURES

STEATORRHEA, CONGENITAL PANCREATIC
SEE METABOLIC DISORDERS INBORN, CYSTIC FIBROSIS

STEM CELLS, HEMATOPOIETIC
SEE BLOOD CELLS, HEMATOPOIETIC STEM CELLS (GENERAL)

STEREOCHEMISTRY
SEE CHEMICAL STRUCTURE, STEREOCHEMISTRY

STEREOPHOTOGRAPHY
SEE OPTICS, PHOTOGRAPHY, STEREOPHOTOGRAPHY*

STEROID HORMONES
SEE ENDOCRINOLOGY, HORMONES, STEROID HORMONES

STEROID METABOLISM
** F50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function

STEROIDS HAVING CHOLECALCIFEROL ACTIVITY
SEE VITAMINS, VITAMIN D (GENERAL)

STIMULANTS, GROWTH
SEE GROWTH FACTORS (INCL. ANABOLICS)

STIMULANTS, PSYCHIC
SEE PSYCHOPHARMACOLOGICAL AGENTS, ANTIDEPRESSANTS

STIMULUS INTERVAL
P50DE-07509-01 0003 Role of CNS adaptive mechanisms in orofacial sensation - Central adaptation to cutaneous flutter-vibration in man

STIMULUS-RESPONSE (GENERAL)
SEE ALSO EAR, HEARING, AUDIOSTIMULUS
SEE ALSO ELECTROPOTENTIALS, EVOKED POTENTIALS
SEE ALSO ELECTROSTIMULUS
SEE ALSO EYE, VISUAL STIMULUS
SEE ALSO TEMPERATURE, HEAT, CALORIC STIMULATION
R01DE-06943-03 Central projections of MES V afferents (cats)
P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain
R01DE-07617-01 Function and structure of intradental mechanoreceptors (cats)

STOICHIOMETRY
SEE CHEMISTRY, STOICHIOMETRY

STOMATITIS
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS

STOMATITIS, APHTHOUS
SEE ORAL PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

STRATUM CORNEUM (EPIDERMIS)
SEE SKIN (GENERAL)

STREPTOCOCCACEAE
SEE BACTERIA, STREPTOCOCCACEAE*

(contd)

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**Oriented significantly to above subject

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STREPTOCOCCAL INFECTIONS
SEE BACTERIAL DISEASES, STREPTOCOCCAL INFECTIONS

STREPTOCOCCAL VACCINE
SEE VACCINES, BACTERIAL, STREPTOCOCCAL VACCINES

STREPTOCOCCUS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS*

STREPTOCOCCUS GROUP A
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS GROUP D
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, ENTEROCOCCUS GROUP*

STREPTOCOCCUS HEMOLYTICUS (S.PYOGENES)
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS MITIS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MITIS*

STREPTOCOCCUS MUTANS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS MUTANS*

STREPTOCOCCUS PYOGENES (S. HEMOLYTICUS)
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS GROUP A*

STREPTOCOCCUS SALIVARIUS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SALIVARIUS

STREPTOCOCCUS SANGUIS
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS SANGUIS*

STREPTOZOTOCIN
SEE ANTIBIOTICS, STREPTOZOTOCIN

STRESS
SEE ALSO ENVIRONMENT, ADAPTATION
R01DE-04358-10 Treatment of temporomandibular joint pain (human)
R01DE-05369-08 Factors affecting dental postoperative pain (human)
** R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
R01DE-06417-03 Factors influencing long-term oral self-care (human)
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
** R23DE-06865-03 Child desensitization for dental visits (human)
** R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
P01DE-06946-05 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
R23DE-07233-02 Multivariate analysis of saliva antimicrobial proteins (humans)
R23DE-07460-01 Longitudinal epidemiological study of TMJ disorders
R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
** R03DE-07519-01 Stress, malocclusion and masseter muscle activity
P50DE-07618-01 0002 Orofacial pain research center - Headache and muscle activity (human)
R03DE-07846-01 Discriminating dental fear using heart rate spectra (human)

STRESS, ENVIRONMENTAL STRESSORS
SEE ALSO RESPIRATORY GAS LEVELS, HYPOXIA, RESPIRATORY
SEE ALSO TEMPERATURE (SEE ALSO THERM...)
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)

STRESS, PHYSIOLOGICAL STRESSORS
SEE ALSO AGE (HUMAN)
SEE ALSO AGING
SEE ALSO PREGNANCY
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)

STRESS, PSYCHOSOCIAL STRESSORS
SEE ALSO SENSORY DEPRIVATION
SEE ALSO SOCIOLOGY AND ANTHROPOLOGY OTHER, CULTURE
R01DE-04358-10 Treatment of temporomandibular joint pain (human)
R01DE-05369-08 Factors affecting dental postoperative pain (human)
R01DE-05744-05 Patient support groups in oral surgery and orthodontics (human)
R01DE-06417-03 Factors influencing long-term oral self-care (human)
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
** R23DE-06546-03 Assessment and treatment of mandibular pain-dysfunction (human)
** R01DE-06551-03 Stress, host factors, and acute necrotizing gingivitis (human)
** R23DE-06865-03 Child desensitization for dental visits (human)
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
R01DE-07197-02 Epidemiologic studies of temporomandibular disorders (human)
R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
** P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)

STRESS, ENVIRONMENTAL
SEE STRESS

STRESS MECHANICAL
SEE PHYSICAL PROPERTIES, MECHANICAL STRESS

STRESS, MUSCLE
SEE MUSCLE FUNCTION, MUSCLE STRESS

STRESS PSYCHOLOGIC
SEE STRESS

STRESSORS, ENVIRONMENTAL
SEE STRESS, ENVIRONMENTAL STRESSORS

STRESSORS, PHYSIOLOGICAL
SEE STRESS, PHYSIOLOGICAL STRESSORS

STRESSORS, PSYCHOLOGICAL
SEE STRESS, PSYCHOSOCIAL STRESSORS

STRESSORS, PSYCHOSOCIAL
SEE STRESS, PSYCHOSOCIAL STRESSORS

STRETCH RECEPTORS
SEE MUSCLE FUNCTION, MUSCLE STRETCH (RECEPTORS)

STRESSORS, SOCIAL
SEE STRESS, PSYCHOSOCIAL STRESSORS

STRETCH REFLEX
SEE MUSCLE FUNCTION, MUSCLE STRETCH REFLEX

STRIATED MUSCLE
SEE MUSCLES, STRIATED MUSCLE

STRONTIUM (COMPOUNDS)
SEE METALS, ALKALINE EARTH METALS, STRONTIUM (COMPOUNDS)

STROPHANTHIN G
SEE CARDIAC GLYCOSIDES, OUABAIN

STRUCTURAL CHEMISTRY
SEE CHEMICAL STRUCTURE

STRUCTURAL GENE
SEE GENETICS, GENES, OPERON, STRUCTURAL GENE

STRUCTURAL MODELS
SEE MODELS, STRUCTURAL MODELS

STRUCTURE OF CARBOHYDRATES
SEE CARBOHYDRATES STRUCTURE

STRUCTURE OF PROTEINS-PEPTIDES
SEE PROTEINS PEPTIDES STRUCTURE

STUART FACTOR
SEE BLOOD COAGULATION, FACTOR X

STUMP-TAILED MONKEY
SEE MAMMALS, PRIMATES, MONKEYS AND APES, OLD WORLD MONKEYS, MACACA SP.*

STYRENE POLYMERS
SEE PLASTICS, STYRENE POLYMERS

SUBCUTANEOUS FIBROSIS
SEE CONNECTIVE TISSUE HYPERPLASIA, FIBROSIS SUBCUTANEOUS

SUBGINGIVAL CURETTAGE
SEE DENTISTRY, SUBGINGIVAL CURETTAGE

SUBLINGUAL GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBLINGUAL

SUBMANDIBULAR GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SUBMAXILLARY GLAND
SEE ORAL-PHARYNGEAL, SALIVARY GLANDS, SUBMANDIBULAR

SUBSTANCE P (PEPTIDE)
SEE PEPTIDES, SUBSTANCE P

SUCRASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

SUCROSE
SEE DISACCHARIDES, SUCROSE

SUCROSE ALPHA-D-GLUCOHYDROLASE
SEE CARBOHYDRASES, BETA-FRUCTOFURANOSIDASE

SUGAR ACIDS, MURAMIC ACID
R01DE-05494-07 Activation of macrophages in periodontal disease (mice)

SUGAR ACIDS, SIALIC ACIDS
R01DE-05632-06 Development of salivary gland secretory function (rats)
R01DE-07341-02 Second messenger function in exocrine glands (rats)

SUGAR TRANSPORT
SEE CARBOHYDRATES TRANSPORT (GENERAL)

SUGARS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY CARBOHYDRATES

SUGGESTION
SEE PSYCHOLOGY, SUGGESTION

SULFATASES, ARYLSULFATASES
R01DE-07376-02 Biochemical profile for gingival crevicular fluid

SULFATON
R01DE-05666-06 Biochemistry of salivary lipids (rats, human)

SULFATION FACTOR
SEE GROWTH HORMONES VERTEBRATE, SOMATOMEDIN (SULFATION FACTOR) (THYMIDINE FACTOR)

SULFENIC ACIDS
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)

SULFHYDRYLS
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)

SULFONAMIDES
R01DE-05476-06 Novel peptide derived sweeteners

SULFUR (COMPOUNDS) --SEE ALSO THI...
R01DE-06373-04 Saliva formation studied by microprobe analysis (rats)

SULFUR AMINO ACIDS, CYSTEINE
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)

SULFUR AMINO ACIDS, CYSTEINE, ACETYLCYSTEINE
** R03DE-07292-01 Mucolytic agent as a potential plaque inhibitor

SULTHIAME
SEE SULFONAMIDES

SUNLIGHT
SEE RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS (290NM TO 380NM)
SEE RADIATION, ELECTROMAGNETIC WAVES, VISIBLE LIGHT (380NM TO 720NM)

SUPEROXIDE
SEE OXIDES, SUPEROXIDE

SUPPLIED TISSUES
SEE TISSUE RESOURCES, REGISTRIES

SUPPRESSOR T LYMPHOCYTES
SEE BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR

SURFACE ACTIVE AGENTS
SEE PHYSICAL PROPERTIES, SURFACTANTS

SURFACE ACTIVITY, CELLULAR
SEE MEMBRANE SURFACE (BIOLOGICAL) ACTIVITY (GENERAL)

SURFACE ANTIGENS
SEE IMMUNOLOGY, ANTIGENS, SURFACE ANTIGENS (GENERAL)

SURFACE PROPERTIES (GENERAL)
SEE PHYSICAL PROPERTIES, SURFACE PROPERTIES (GENERAL)

SURFACTANTS
SEE PHYSICAL PROPERTIES, SURFACTANTS

SURGERY
SEE ALSO NEOPLASMS, SURGERY
SEE ALSO ORAL-FACIAL RESTORATION
SEE ALSO ORAL SURGERY
SEE ALSO PARATHYROIDECTOMY
SEE ALSO PROSTHESIS
SEE ALSO SKELETAL DISORDERS, ORTHOPEDICS
SEE ALSO TISSUE COMPATIBILITY, TRANSPLANT, TRANSPLANTATION
** R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)

SURGERY, MICROSURGERY AND MICRODISSECTION
R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

SURGERY, PLASTIC
SEE ALSO ORAL-FACIAL RESTORATION
R01DE-05396-06 Craniofacial adaptations after total maxillary osteotomy (monkeys)
** R01DE-06570-05 Psychosocial evaluation of craniofacial patients

(cont'd)

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** R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)
R23DE-07761-01 Functional effects of masticatory muscle lengthening (Macaca mulatta)

SURGERY, POSTOPERATIVE
SEE ALSO DISEASES, COMPLICATIONS, POSTOPERATIVE
P50DE-05130-07 0006 Dental/orofacial pain--Mechanisms behavior and modulation - Acute pain in research and clinical settings (human)
P01DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
P01DE-05837-05 0002 Growth, surgical, and speech aspects of cleft palate - Maxillofacial growth (dogs)
** P01DE-05837-05 0004 Growth, surgical, and speech aspects of cleft palate - Cleft lip and palate surgery (human, animals)
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
P01DE-06946-03 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients
P50DE-07509-01 0004 Role of CNS adaptive mechanisms in orofacial sensation - Somatosensory and cardiovascular responses to orofacial pain (human)
R13DE-07603-01 Craniofacial surgery--Symposium on long-term results

SURGERY, PREOPERATIVE
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
P01DE-06946-03 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptoms in pre- and post-orthognathic surgery patients

SURGICAL WOUNDS
SEE INJURIES, SURGICAL WOUNDS

SURVEYS, DENTAL (HEALTH)
SEE POPULATION SURVEYS, HEALTH SURVEYS, DENTAL

SURVEYS, POPULATION
SEE POPULATION SURVEYS

SWALLOWING
SEE GASTROINTESTINAL FUNCTION, DEGLUTITION

SWEAT
SEE SKIN SECRETIONS, SWEAT

SWEAT GLAND DISORDERS
SEE SKIN DISORDERS, SWEAT GLAND

SWEETENING AGENTS
SEE FOOD, SWEETENING AGENTS

SYMPATHETIC GANGLIA
SEE NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC GANGLIA

SYMPATHETIC NERVOUS SYSTEM
SEE NERVOUS SYSTEM AUTONOMIC, SYMPATHETIC NERVOUS SYSTEM

SYMPATHOMIMETIC AGENTS
SEE NEUROPHARMACOLOGICAL AGENTS, SYMPATHOMIMETIC

SYMPOSIA
SEE INFORMATION DISSEMINATION, MEETINGS CONFERENCES SYMPOSIA

SYNAPSES
SEE NERVOUS SYSTEM, NERVE ENDINGS, SYNAPSES

SYNAPTIC PLASTICITY
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

SYNAPTIC RECEPTORS
SEE NEUROTRANSMITTERS RECEPTORS

SYNCHRONOUS CELL DIVISION
SEE CELL DIVISION, SYNCHRONOUS CELL DIVISION

SYNERGISM
SEE DRUGS AND PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION
SEE DRUGS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL)

SYNTHESIS (ORGANIC)
SEE CHEMICAL SYNTHESIS, DESIGN AND PRODUCTION (GENERAL)

SYNTHESIS OF DRUGS
SEE DRUGS SYNTHESIS, DESIGN AND PRODUCTION

SYNTHESIS OF NATURAL PRODUCTS THROUGH GENETIC MANIPULATION
SEE BIOLOGICAL PREPARATIONS AND STANDARDIZATION, NATURAL PRODUCTS PRODUCTION BY GENETIC MANIPULATION

SYNTHETASES
SEE LIGASES

SYNTHETIC PEPTIDES
SEE PEPTIDES, SYNTHETIC PEPTIDES

SYSTEMATIC BIOLOGY
SEE BIOLOGY, SYSTEMATIC

T-CELL GROWTH FACTOR (TCGF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

T-CELL INDUCED LYSIS
SEE IMMUNITY, CELLULAR, CELL-MEDIATED IMMUNE RESPONSES

T GENE
SEE IMMUNOGENETICS, HISTOCOMPATIBILITY GENES

T4 LYMPHOCYTE
SEE BLOOD CELLS, T LYMPHOCYTES, HELPER

T8 LYMPHOCYTE
SEE BLOOD CELLS, T LYMPHOCYTES, SUPPRESSOR

T LYMPHOCYTE*
SEE BLOOD CELLS, T LYMPHOCYTES

TACHYKININS
SEE PEPTIDES, SUBSTANCE P

TACTILE PERCEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, TOUCH

TAR
SEE CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS

TARDIVE DYSKINESIA
SEE NEUROMOTOR DISORDERS, TARDIVE DYSKINESIA

TASTE
SEE SENSORY-PERCEPTUAL PROCESSES, TASTE

TASTE THRESHOLD
SEE SENSORY-PERCEPTUAL PROCESSES, TASTE THRESHOLD

TAXONOMY
SEE BIOLOGY, SYSTEMATIC

TCGF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

TECHNOLOGY DEVELOPMENT (BIOTECHNOLOGY)
SEE BIOTECHNOLOGY

TEETH
SEE DENTAL STRUCTURE, TOOTH

TEFLON
SEE PLASTICS, FLUOROCARBON POLYMERS

TEICHOIC ACID
SEE POLYSACCHARIDES, TEICHOIC ACID

TELEMETERING
SEE BIOMEDICAL SYSTEMS AUTOMATED, TELEMETERING AND REMOTE SENSING

TEMPERAMENT
SEE PSYCHOLOGY, PERSONALITY

TEMPERATURE (SEE ALSO THERM...)
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
R01DE-06869-04 Bactericidal activity of lactoferrin on oral flora (human, bacteria)
R23DE-07190-02 Craniofacial ossification during anuran metamorphosis
R01DE-07754-01 Dissolution of mercury from dental amalgams
** R01DE-07806-01 Thermally induced changes in dental porcelain expansion

TEMPERATURE, HEAT
SEE ALSO SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION
P01DE-06946-03 0013 Pathophysiology of MPD and other facial pain syndromes - Psychophysiologic response of MPD patients to pain

TEMPERATURE, HEAT, CALORIC STIMULATION
** P50DE-02668-20 0204 Regional dental research center - Psychophysical measures of combined tactile and thermal sensitivity (human)

TEMPERATURE, HEAT, MICROWAVE HEATING
** R01DE-07087-01 Dental investment burnout and expansion as effected by microwave

TEMPERATURE, HEAT STABILITY-LABILITY
R01DE-06374-05 Semi- and nonprecious metal-porcelain systems
R01DE-07806-01 Thermally induced changes in dental porcelain expansion
R03DE-07863-01 Characterization of a castable ceramic material

TEMPERATURE (BODY), FEVER
R44DE-06932-03 A periodontal temperature probe (human)

TEMPERATURE MEASUREMENT*
** R44DE-06932-03 A periodontal temperature probe (human)
R01DE-07087-01 Dental investment burnout and expansion as effected by microwave

TEMPERATURE SENSE
SEE SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION

TEMPOROMANDIBULAR JOINT
SEE ORAL-PHARYNGEAL, JAW, TEMPOROMANDIBULAR JOINT

TENDONS
SEE SKELETAL SYSTEM, TENDONS

TENSILE STRENGTH
SEE PHYSICAL PROPERTIES, TENSILE STRENGTH

TEORELL MEMBRANE OSCILLATOR
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

TERATOGENIC AGENTS
SEE CONGENITAL ABNORMALITIES, TERATOGENIC AGENTS

TERPENES, CAROTENE
SEE ALSO VITAMINS, VITAMIN A, ALL-TRANS RETINOL
** R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)

TERPENES, DITERPENES
R03DE-07560-01 Evaluation of natural sweeteners with mongolian gerbils

TERPENES, TRITERPENES
R03DE-07560-01 Evaluation of natural sweeteners with mongolian gerbils

TESTING OF BIOMATERIALS
SEE BIOMATERIALS, BIOMATERIALS EVALUATION

TESTING OF INSTRUMENTATION, CLINICALLY ORIENTED
SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION CLINICALLY ORIENTED

TESTING OF INSTRUMENTATION, NOT CLINICALLY ORIENTED
SEE BIOMEDICAL ENGINEERING, INSTRUMENTATION NOT CLINICALLY ORIENTED

TESTOSTERONE
SEE ANDROSTANE SERIES, TESTOSTERONE

TESTS
SEE DIAGNOSIS, DIAGNOSTIC TESTS*
SEE IMMUNOLOGICAL TESTS AND IMMUNOASSAY, IMMUNOLOGICAL TESTS*

TETRACOSANOIC ACID
SEE FATTY ACIDS

TETRACYCLINE
SEE ANTIBIOTICS, TETRACYCLINE

TGF
SEE GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS

THALAMIC RADIATIONS
SEE BRAIN, NEURAL PATHWAYS AND TRACTS, THALAMOCORTICAL TRACTS

THALAMOCORTICAL TRACTS
SEE BRAIN, NEURAL PATHWAYS AND TRACTS, THALAMOCORTICAL TRACTS

THALAMUS
SEE BRAIN, DIENCEPHALON, THALAMUS

THALIDOMIDE
SEE BENZOPYRROLES, PHTHALIMIDES, THALIDOMIDE

THERAPEUTIC EQUIVALENCE OF DRUGS
SEE DRUGS, PHARMACOLOGY, BIOAVAILABILITY

THERAPY, PLACEBO EFFECT
R01DE-05369-08 Factors affecting dental postoperative pain (human)
R01DE-07514-02 TMJS/TMPDS--Evaluating structural and functional models (human)
R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)

THERAPY COMPLIANCE
SEE ALSO HEALTH, SELF CARE
R01DE-06521-03 Behavioral response enhancement after periodontal surgery (human)
P01DE-06946-03 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)
** R01DE-07353-01 Increasing orthodontic treatment compliance in children (human)
** R43DE-07402-01 Efficacy of a behavioral design for oral hygiene control (human)
** R01DE-07978-01 Increasing orthodontic treatment compliance in children (human)

THERAPY EVALUATION
P01DE-01697-24 0039 Developmental research in cleft palate - Otitis media and its consequences (human)
** P01DE-01697-24 0042 Developmental research in cleft palate - Speech science project
P50DE-02600-20 0034 Support for oral biology research center - Salivary and oral mucosal changes after chemotherapeutic drugs (human)
** P50DE-02600-20 0041 Support for oral biology research center - Laboratory and clinical management of the periodontal diseases
** P50DE-02731-20 0033 Development support for dental research institute - Epidemiology laboratory (human)

(cont'd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

** R01DE-03598-11 Dentofacial effects of forces to retract the maxilla (human)
** R01DE-04358-10 Treatment of temporomandibular joint pain (human)
P50DE-04881-10 0001 Clinical research in periodontal disease - Diagnosis and treatment of destructive periodontal diseases (human)
P50DE-04881-10 0002 Clinical research in periodontal disease - Relationship of subgingival microbiota to the etiology of periodontal diseases
** P50DE-04898-10 0003 Periodontal disease research center - Therapy and prevention of periodontal diseases (human, rabbits, rats, mice)
R01DE-05067-08 Interaction of topical fluoride with human enamel (rats, hamsters)
** R01DE-05369-08 Factors affecting dental postoperative pain (human)
P30DE-05837-05 0001 Growth, surgical, and speech aspects of cleft palate - Speech pathology (human)
** R01DE-06103-04 Evaluation of four modalities of periodontal therapy
R01DE-06105-04 Using fluoride-chlorhexidine to prevent radiation caries (human)
** R01DE-06112-06 Filled sealant as a conservative restorative material (human)
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community
** R23DE-06562-03 Fluoridation effects on dental demand (human)
** P01DE-06946-03 0001 Pathophysiology of MPD and other facial pain syndromes - Long-term effects of therapy of TMJ in private practice
** P01DE-06946-03 0002 Pathophysiology of MPD and other facial pain syndromes - Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human)
** P01DE-06946-03 0003 Pathophysiology of MPD and other facial pain syndromes - Physical therapy for MDP syndrome
** P01DE-06946-03 0005 Pathophysiology of MPD and other facial pain syndromes - Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human)
** P01DE-06946-03 0008 Pathophysiology of MPD and other facial pain syndromes - TMJ symptons in pre- and post-orthognathic surgery patients
** P01DE-06946-03 0014 Pathophysiology of MPD and other facial pain syndromes - Psychosocial factors in the response of MPD patients to therapy (human)
** R01DE-06957-03 Nasal airway and respiratory mode in cleft palate (human)
R01DE-07030-02 Epidemiology, prevention and treatment of root caries (humans)
P50DE-07117-02 0002 Periodontal disease research center - Two monitored patient groups--Microbiology and pharmacology
** R03DE-07271-01 Evaluation of a vital pulpotomy procedure in teeth (humans)
** R03DE-07429-01 Neutrophils and immune complexes in Behcet's syndrome (human)
** P50DE-07618-01 0003 Orofacial pain research center - Psychosocial predictors of treatment (human)
** P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)
** R03DE-07741-01 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)

THERMODYNAMICS (CHEMISTRY)
SEE CHEMISTRY, THERMODYNAMICS (GENERAL)

THERMOLABILE PLASTICITY, NEURONAL
SEE NEUROPHYSIOLOGY, NEUROPLASTICITY

THERMOMETRY
SEE TEMPERATURE MEASUREMENT*

THERMORECEPTION
SEE SENSORY-PERCEPTUAL PROCESSES, THERMORECEPTION

THERMOSTABILITY-LABILITY
SEE TEMPERATURE, HEAT STABILITY-LABILITY

THIOCYANATES
R01DE-04235-10 Peroxidase in saliva and prevention of oral disease (human, s. mutants)
R23DE-07076-01 Human salivary peroxidase purification and properties (rabbits)

THIOPHENES
SEE ALSO VITAMINS, BIOTIN
** R03DE-07317-01 Ability of thiophenes to inhibit alveolar bone loss in vivo (hamsters, rats)

THREONINE
SEE AMINO ACIDS, THREONINE

THRESHOLDS, SENSORY
SEE SENSORY THRESHOLDS

THROAT
SEE ORAL-PHARYNGEAL, PHARYNX

THROMBASE
SEE BLOOD COAGULATION, THROMBIN

THROMBIN
SEE BLOOD COAGULATION, THROMBIN

THROMBOCYTES
SEE BLOOD PLATELETS

THROMBOCYTOPATHY
SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

THROMBOMODULIN
SEE PROTEINS, MEMBRANE PROTEINS

THROMBOPATHY CONSTITUTIONAL
SEE BLOOD PLATELETS DISORDERS, THROMBOCYTOPATHY

THROMBOSIS
SEE CARDIOVASCULAR DISORDERS, THROMBOSIS

THROMBOXANES
SEE FATTY ACIDS, EICOSANOIDS, THROMBOXANES

THROMBOXANES METABOLISM
SEE FATTY ACIDS METABOLISM, EICOSANOIDS METABOLISM

THY-1.1 ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

THYMIDINE
SEE PYRIMIDINE NUCLEOSIDES, THYMINE NUCLEOSIDES, THYMIDINE

THYMIDINE FACTOR
SEE GROWTH HORMONES VERTEBRATE, SOMATOMEDIN (SULFATION FACTOR) (THYMIDINE FACTOR)

THYMOCYTE STIMULATING FACTOR
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

THYMUS ALYMPHOPLASIA
SEE BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE

THYMUS DEPENDENT IMMUNE SYSTEM
SEE IMMUNITY, CELLULAR IMMUNITY (GENERAL)

THYMUS DYSFUNCTION
SEE BLOOD AND RE DISORDERS, THYMUS DYSFUNCTION OR ABSENCE

THYROCALCITONIN
SEE THYROID HORMONES, (THYRO)CALCITONIN

THYROID HORMONES
P50DE-02668-20 0213 Regional dental research center - Action of androgen on submaxillary gland function
R23DE-07190-02 Craniofacial ossification during anuran metamorphosis

THYROID HORMONES, (THYRO)CALCITONIN
P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
P50DE-02668-20 0215 Regional dental research center - Osteopenia--Factors influencing development and recovery (rats)
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)

THYROTROPIN-RELEASE INHIBITING FACTOR
SEE PITUITARY-DIENCEPHALON HORMONES, SOMATOSTATIN

TI
SEE METALS, HEAVY METALS, TITANIUM (COMPOUNDS)

TIBIA
SEE SKELETAL SYSTEM, LIMB BONES, TIBIA

TIC DOLOREAUX
SEE NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA

TIN (COMPOUNDS)
SEE METALS, HEAVY METALS, TIN (COMPOUNDS)

TISSUE (GENERAL)
SEE ALSO CONNECTIVE TISSUE (GENERAL)
SEE ALSO EMBRYOLOGY, EMBRYO-FETAL CELLS, TISSUES AND STRUCTURES
SEE ALSO HISTOLOGY (GENERAL)*
** R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)

TISSUE, EPITHELIUM
SEE ALSO CARDIOVASCULAR SYSTEM, ENDOTHELIUM
SEE ALSO ORAL-PHARYNGEAL, MUCOSA
** P50DE-02600-20 0043 Support for oral biology research center - Neutrophil mediated sulcus epithelial cell injury (human)
** P50DE-02731-20 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
** P01DE-02848-16 0013 Biology of connective tissue, bones, and teeth - Extra cellular matrix influences of epithelial gene expression--Cementogenesis
R01DE-04970-08 Nuclear composition and organization for odontogenesis (rats)
** R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-05395-07 Stem cells in oral mucosa (mice)
R01DE-05586-06 Cell surface studies of the enamel organ (mice)
** R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-06088-02 Determination and expression of amelogenin gene products (mice)
R03DE-07014-02 Human PDL cell attachment to root surfaces
R23DE-07075-02 Tissue interactions in root development (mice)
** R01DE-07218-02 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)
** R01DE-07467-01 Biochemistry of craniofacial epithelial differentiation (rats)
** R01DE-07674-01 Analysis of primary palate formation (chick embryos)
R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus
R01DE-07766-01 Salivary epithelial cells--Behavior and oncogene effects (mice)
R01DE-07938-01 Nuclear composition and organization for odontogenesis (rats)

TISSUE, EXOCRINE GLANDS (GENERAL)
SEE ALSO ORAL-PHARYNGEAL, SALIVARY GLANDS
SEE ALSO PANCREAS
SEE ALSO REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS
P50DE-02570-20 0018 Institute of dental research - Immune response to Streptococcus mutans
R01DE-03666-10 X-ray therapeutic index for salivary glands (rodents, human)
** R01DE-05251-07 Salivary gland secretory mechanisms (rats)
R01DE-06904-03 Neuroeffector transmission in a simple salivary gland (mice, mollusks)
** R01DE-07341-02 Second messenger function in exocrine glands (rats)
R23DE-07389-02 VIP receptors and submandibular gland function (rats)

TISSUE AND CELL PREPARATION
** R01DE-07347-02 Magnetic resonance characteristics of TMJ tissues (humans)
R03DE-07877-01 Microcirculation of the hamster gingiva

TISSUE BANKS
SEE TISSUE RESOURCES, REGISTRIES

TISSUE-BIOMATERIAL SURFACE INTERACTIONS
SEE BIOMATERIALS, INTERFACIAL PHENOMENA

TISSUE (CELL) CULTURE*
SEE ALSO PREGNANCY, EMBRYO-FETUS CULTURE
R01DE-01374-26 Matrix component interactions in bone and dentin (rabbits, rats, mice)
P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues
** P50DE-02731-20 0032 Development support for dental research institute - Experimental cytology laboratory (rats)
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)
** R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)
R01DE-07244-02 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
R01DE-07378-02 Human osteoclast-activating factor (mice, rats)

TISSUE (CELL) CULTURE, CLONE CELLS*
SEE ALSO GENETICS, BIOCHEMICAL GENETICS, MOLECULAR CLONING
SEE ALSO IMMUNOLOGICAL PREPARATIONS, MONOCLONAL ANTIBODIES
P01DE-02848-16 0011 Biology of connective tissue, bones, and teeth - Molecular genetics of enamel marine animals (mice)
R01DE-05395-07 Stem cells in oral mucosa (mice)
R01DE-07372-01 Mechanism of fluoride resistance by cariogenic bacteria (rats)

TISSUE (CELL) CULTURE, MASS CULTURE
R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)

TISSUE (CELL) CULTURE, ORGAN CULTURE
P50DE-02670-20 0003 Institute of dental research - Macromolecules of mineralized tissues

TISSUE COMPATIBILITY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

TISSUE COMPATIBILITY-TRANSPLANT, GRAFT VERSUS HOST REACTIONS
** R03DE-07747-01 Viral infection & salivary gland graft-vs host disease (mice, rats)

TISSUE COMPATIBILITY-TRANSPLANT, IMPLANT
SEE ALSO PROSTHESIS
R01DE-05334-06 Periodontal therapy by controlled local drug delivery (human)
R03DE-07407-01 Periodontal regeneration--PDL cells in vitro (dogs)

TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)
SEE ALSO IMMUNOGENETICS, HISTOCOMPATIBILITY GENES
SEE ALSO IMMUNOGENETICS, MAJOR HISTOCOMPATIBILITY COMPLEX (LOCUS)
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
R01DE-06740-03 Human antibody responsiveness and dental caries

(contd)

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS), ANTIGENS OF DIABETES
R01DE-06514-05 Oral diseases and diabetes in the Gila River Indian Community

TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY
SEE ALSO TISSUE COMPATIBILITY-TRANSPLANT, GRAFT VERSUS HOST REACTION
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
** R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)
R03DE-07747-01 Viral infection & salivary gland graft-vs host disease (mice, rats)

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION
SEE ALSO BIOMATERIALS IMPLANTS AND COMPATIBILITY
SEE ALSO BLOOD AND RE SYSTEM, BONE MARROW TRANSPLANTATION
SEE ALSO EAR (TISSUE) TRANSPLANTATION
SEE ALSO MUSCLE TRANSPLANTATION
SEE ALSO SKELETAL TISSUE TRANSPLANTATION
SEE ALSO SKIN TRANSPLANTATION
R01DE-05190-07 Factors determining variation in adult oral mucosa (mice, rabbits)
R01DE-07481-01 Gingival pathology elicited by cyclosporine-A (human)
R03DE-07582-01 Effect of cyclosporne on human gingival fibroblasts

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
** P01DE-07687-05 0003 Regeneration and transplantation of skeletal muscle - Reinnervation of skeletal muscle autografts (rats)
** P01DE-07687-05 0004 Regeneration and transplantation of skeletal muscle - Revascularization of skeletal muscle autografts (hamster, cat, dog, rats)
** P01DE-07687-05 0005 Regeneration and transplantation of skeletal muscle - Electromyographic monitoring of autograft progress (cat, rat)
** P01DE-07687-05 0008 Regeneration and transplantation of skeletal muscle - Adaptation of autografts to physical conditioning (rat)

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)

TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS
R01DE-02103-21 Inductive substrates of tooth and bone formation (humans, animals)
** R01DE-06634-03 Cyclosporine in craniofacial composite tissue allografts (human, mammals)

TISSUE CULTURE
SEE TISSUE (CELL) CULTURE*

TISSUE PLASMINOGEN ACTIVATOR
SEE BLOOD COAGULATION, PLASMINOGEN ACTIVATORS

TISSUE RESOURCES, REGISTRIES
SEE ALSO TISSUE (CELL) CULTURE, CELL CULTURE COLLECTIONS BANKS AND REGISTRIES
** P01DE-01697-24 0044 Developmental research in cleft palate - Archive of normal and cleft palate fetal histology

TITANIUM (COMPOUNDS)
SEE METALS, HEAVY METALS, TITANIUM (COMPOUNDS)

TL ANTIGEN
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

TNS STIMULATION (ELECTROANALGESIA)
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

TOBACCO AND TOBACCO PRODUCTS
SEE CONSUMER PRODUCTS, TOBACCO AND TOBACCO PRODUCTS

TOBACCO SMOKING
SEE PSYCHOLOGY, HABITS, SMOKING

TOCOLS
SEE VITAMINS, VITAMIN E, TOCOLS

ALPHA-TOCOPHEROL (ACETATE)
SEE VITAMINS, VITAMIN E, TOCOLS

DL-ALPHA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

ALL-RAC-ALPHA TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

BETA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

DELTA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

GAMMA-TOCOPHEROL
SEE VITAMINS, VITAMIN E, TOCOLS

TOCOPHEROLS
SEE VITAMINS, VITAMIN E, TOCOLS

TOLERANCE
SEE CARBOHYDRATE BALANCE, GLUCOSE TOLERANCE
SEE IMMUNITY, IMMUNOLOGICAL UNRESPONSIVENESS
SEE SENSORY-PERCEPTUAL PROCESSES, PAIN TOLERANCE

TOMOGRAPHY
SEE RADIOGRAPHY, TOMOGRAPHY*

TONGUE
SEE ORAL-PHARYNGEAL, TONGUE

TONGUE DISORDERS
SEE ORAL-PHARYNGEAL DISORDERS, TONGUE DISORDERS

TOOTH
SEE DENTAL STRUCTURE, TOOTH

TOOTH, ARTIFICIAL, ENDOSSEOUS IMPLANT
SEE DENTAL PROSTHESIS, DENTAL IMPLANT ENDOSSEOUS

TOOTH DISCOLORATION
SEE DENTAL DISCOLORATION

TOOTH DYSPLASIA, CONGENITAL
SEE CONGENITAL ABNORMALITIES, DENTITION

TOOTH ERUPTION
SEE DENTAL DEVELOPMENT

TOOTH FORMATION
SEE DENTAL DEVELOPMENT, DENTINOGENESIS

TOOTH GERM
SEE DENTAL STRUCTURE, TOOTH GERM

TOOTH LOSS
SEE DENTAL DISORDERS, TOOTH LOSS

TOOTH MOBILITY
SEE DENTAL STRUCTURE, TOOTH MOBILITY

TOOTH RESORPTION
SEE DENTAL DISORDERS, TOOTH RESORPTION

TOOTH ROOT
SEE DENTAL STRUCTURE, TOOTH ROOT

TOOTH WEAR
SEE DENTAL STRUCTURE, TOOTH WEAR

TOOTHACHE
SEE DENTAL PAIN

TOUCH
SEE SENSORY-PERCEPTUAL PROCESSES, TOUCH

TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY
SEE IMMUNOLOGY, TOXIC REACTIONS AND MECHANISMS IN IMMUNOLOGY

TOXICANT SCREENING
SEE TOXICOLOGY, TOXICANT SCREENING

TOXICANTS INTERACTION
SEE PHYSICAL AND/OR CHEMICAL AGENTS INTERACTION (BIOLOGICAL AND ECOLOGICAL), TOXICANTS INTERACTION

TOXICOLOGY, BACTERIAL
SEE ALSO IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)
R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
R03DE-07285-01 Endotoxin action in periodontal connective tissue cells (culture)

TOXICOLOGY, CYTOTOXICITY
SEE ALSO IMMUNOLOGICAL TESTS AND IMMUNOASSAY, AGGLUTINATION REACTION (AGGLUTININ)*
SEE ALSO IMMUNOLOGY, ANTIBODIES, AGGLUTININS
R01DE-05640-06 Cytotoxicity of periodontopathic bacteria (mice, rabbits)

TOXICOLOGY, EMBRYO-FETUS
SEE PREGNANCY, EMBRYO-FETUS TOXICOLOGY

TOXICOLOGY, GAS POISONING, CARBON MONOXIDE
** R03DE-07912-01 Carbon monoxide effects on cleft lip development in mice

TOXICOLOGY, TOXICANT SCREENING
R23DE-07796-01 Identification of mutagens in smokeless tobacco

TOXICOLOGY OF BACTERIA AND THEIR PRODUCTS
SEE TOXICOLOGY, BACTERIAL

TOXINS BACTERIAL
SEE IMMUNOLOGY, ANTIGENS BACTERIAL, BACTERIAL TOXINS (GENERAL)

TPN (H)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

TRACE ELEMENTS
SEE CHEMICALS (GENERAL), ELEMENTS, TRACE ELEMENTS

TRACE ELEMENTS AND MINERALS, DIETARY
SEE NUTRITION, DIETARY CONSTITUENTS, DIETARY TRACE ELEMENTS AND MINERALS

TRANQUILIZERS
SEE PSYCHOPHARMACOLOGICAL AGENTS, TRANQUILIZERS

TRANSCRIPTION
SEE GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSCRIPTION

TRANSCUTANEOUS STIMULATION (ELECTROANALGESIA)
SEE SENSORY DEPRESSION, ANALGESIA BY MASKING, ELECTROANALGESIA

TRANSDERMAL DRUG DELIVERY
SEE DRUGS, DRUG DELIVERY SYSTEMS

TRANSDUCIN
SEE PROTEINS, MEMBRANE PROTEINS, TRANSDUCIN

TRANSDUCING VIRUSES
SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES

TRANSEPITHELIAL SHUNT
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT

TRANSFECTION
SEE GENETICS, SOMATIC CELL AND TRANSFORMATION, TRANSFECTION

TRANSFERASES
SEE ALSO GLYCOSYLTRANSFERASES
SEE ALSO PHOSPHOTRANSFERASES
R37DE-03259-15 Molecular genetic analysis of S. mutans cariogenicity
R01DE-04321-12 Cell adherence of dental plaque forming streptococci (rabbits)
R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)
R01DE-06673-04 Genetic and biochemical bases for S mutans virulence (rabbits)

TRANSFORMATION
SEE GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE IMMUNITY, CELLULAR, LEUKOCYTE ACTIVATION, TRANSFORMATION AND PROLIFERATION

TRANSFORMATION MICROBIAL
SEE GENETICS, MICROBIAL, TRANSFORMATION MICROBIAL

TRANSFORMATION NEOPLASTIC
SEE NEOPLASTIC TRANSFORMATION

TRANSFORMING GROWTH FACTORS
SEE GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS

TRANSFORMING VIRUSES
SEE VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES
SEE VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)

TRANSGENIC ANIMALS
SEE ANIMALS, TRANSGENIC ANIMALS

TRANSGLUTAMINASES
SEE AMINOACYLTRANSFERASES, TRANSGLUTAMINASES

TRANSGLYCOSIDASES
SEE GLYCOSYLTRANSFERASES

TRANSLATION
SEE GENETICS, GENETIC REGULATION, GENETIC INDUCTION-REPRESSION-DEREPRESSION, TRANSLATION

TRANSPLANTATION
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION

TRANSPLANTATION ANTIGENS
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOANTIGENS (HISTOCOMPATIBILITY ANTIGENS)

TRANSPLANTATION AUTOLOGOUS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION AUTOLOGOUS

TRANSPLANTATION HETEROLOGOUS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS

TRANSPLANTATION HOMOLOGOUS
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HOMOLOGOUS

TRANSPLANTATION IMMUNOLOGY
SEE TISSUE COMPATIBILITY-TRANSPLANT, ISOALLOIMMUNITY

TRANSPORT
SEE BIOLOGICAL TRANSPORT, ION EXCHANGE AND TRANSPORT
SEE BIOLOGICAL TRANSPORT, MEMBRANE PERMEABILITY AND TRANSPORT
SEE KIDNEY FUNCTION, RENAL TUBULAR TRANSPORT

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects.
See Appendix for investigator's name and Grant Number

TRANSPORT EFFECTORS
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

TRANSPORT ENERGETICS
SEE BIOLOGICAL TRANSPORT, TRANSPORT ENERGETICS

TRANSPORT FACILITATORS (STIMULANTS)
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

TRANSPORT INHIBITORS
SEE BIOLOGICAL TRANSPORT, TRANSPORT EFFECTORS

TRANSPORT PROTEINS
SEE BIOLOGICAL TRANSPORT, TRANSPORT PROTEINS (SEE ALSO SPECIFICS)

TRAPPING INHIBITION FACTORS (TIF)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES

TRAUMA
SEE INJURIES, TRAUMA

ALPHA,ALPHA-TREHALOSE-PHOSPHATE SYNTHASE (ADP FORMING)
SEE GLYCOSYLTRANSFERASES, UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE

TREPONEMA
SEE BACTERIA, SPIROCHETES, TREPONEMA*

TREPONEMAL INFECTIONS
SEE BACTERIAL DISEASES, SPIROCHETAL DISEASES, TREPONEMAL INFECTIONS

TRETINOIN
SEE VITAMINS, VITAMIN A ANALOGS

TRIGEMINAL NERVE
SEE NERVOUS SYSTEM, CRANIAL NERVES, TRIGEMINAL NERVE (5)

TRIGEMINAL NEURALGIA
SEE NERVOUS DISORDERS PERIPHERAL, TRIGEMINAL NEURALGIA

TRIGEMINAL NUCLEUS (SPINAL)
SEE BRAIN, RHOMBENCEPHALON, PONS, TRIGEMINAL NUCLEUS (SPINAL)

TRIOSE ALCOHOLS, GLYCEROPHOSPHATES
R01DE-06748-03 Synthesis and function of polymers in oral bacteria (rats)

TRIPHOSPHOPYRIDINE NUCLEOTIDE (REDUCED)
SEE PYRIDINE NUCLEOTIDES, NICOTINAMIDE RIBOTIDES, NADP(H2)

TRIPLETS
SEE FAMILY, TWINS AND MULTIPLETS

TRITERPENES
SEE TERPENES, TRITERPENES

TROPANES, ATROPINE
R23DE-07389-02 VIP receptors and submandibular gland function (rats)

TRYPSIN
SEE PROTEASES AND PEPTIDASES, TRYPSIN

TRYPTOPHAN
SEE CYCLIC AMINO ACIDS, TRYPTOPHAN

TSF (LYMPHOKINES)
SEE IMMUNITY, CYTOKINES, LYMPHOKINES, INTERLEUKIN 2

TUBULIN
SEE MUSCLE PROTEINS (AND CONTRACTILE PROTEINS), TUBULIN

TUMOR ANTIBODIES
SEE NEOPLASMS IMMUNOLOGY, TUMOR ANTIBODIES

TUMOR PROMOTERS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENS, TUMOR PROMOTERS

TUMOR VIRUSES
SEE VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)

TUNICA MEDIA
SEE CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE

TWINS AND MULTIPLETS
SEE FAMILY, TWINS AND MULTIPLETS

TYMPANOPLASTY
SEE EAR SURGERY, TYMPANOPLASTY

TYPE C ONCOVIRUS
SEE VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN

TYPE I DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, INSULIN-DEPENDENT DIABETES

TYPE II DIABETES
SEE CARBOHYDRATES METABOLISM DISORDERS, DIABETES, NONINSULIN-DEPENDENT DIABETES

TYPING
SEE CELL TYPES

TYPING, MICROBIAL (GENERAL)
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)

TYPING TAXONOMICAL
SEE BIOLOGY, SYSTEMATIC

TYPING TAXONOMICAL, MICROBIAL (GENERAL)
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION (TECHNIQUES)

TYROSINE
SEE CYCLIC AMINO ACIDS, TYROSINE

UDDER
SEE REPRODUCTIVE SYSTEM FEMALE, MAMMARY GLANDS

UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE

UDP GLUCURONOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES

ULCER
SEE ORAL-PHARYNGEAL DISORDERS, STOMATITIS, APHTHOUS

ULTRAVIOLET RAYS
SEE RADIATION, ELECTROMAGNETIC WAVES, ULTRAVIOLET RAYS (290NM TO 380NM)

UNITED STATES
SEE GEOGRAPHICAL SITES, UNITED STATES

URBAN AREAS
SEE SOCIOENVIRONMENT, URBAN AREAS

URBAN PLANTINGS AND GREEN AREAS
SEE SOCIOENVIRONMENT, URBAN AREAS

UREA
SEE AMIDES, UREA

UREMIA
SEE KIDNEY DISORDERS, UREMIA

URETHANE POLYMERS
SEE PLASTICS, POLYURETHANES

URIDINE DIPHOSPHATE GLUCOSE: D-GLUCOSE-6-PHOSPHATE 1 GLUCOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, UDP GLUCOSE:D-GLUCOSE-6-PHOSPHATE 1-GLUCOSYLTRANSFERASE

URIDINE DIPHOSPHATE GLUCURONOSYLTRANSFERASE
SEE GLYCOSYLTRANSFERASES, GLUCURONOSYLTRANSFERASES

URINALYSIS (CHEMICAL ANALYSIS)
SEE CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS

URINE CHEMICAL ANALYSIS
SEE CHEMISTRY, CLINICAL, URINE CHEMICAL ANALYSIS

UTERUS
SEE REPRODUCTIVE SYSTEM FEMALE, UTERUS

UTILIZATION OF HEALTH SERVICES-RESOURCES
SEE HEALTH CARE (SERVICES)(RESOURCES) UTILIZATION

UTILIZATION REVIEW
SEE HEALTH CARE QUALITY

V
SEE METALS, HEAVY METALS VANADIUM (COMPOUNDS)

V GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

VACCENIC ACID
SEE FATTY ACIDS

VACCINATION
SEE ALSO IMMUNITY (AND NATURAL RESISTANCE) (GENERAL)
SEE ALSO IMMUNITY, IMMUNOTHERAPY, IMMUNIZATION, ACTIVE
P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)

VACCINES, BACTERIAL (GENERAL)
R01DE-07227-01 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)
R01DE-07663-01 Role of b gingivalis collagenase in disease (mice)

VACCINES, BACTERIAL, ANTI-CARIES VACCINE
P50DE-02670-20 0037 Institute of dental research - IgA responses to S mutans--induction and regulation
** R01DE-05696-06 Streptococcus mutans interaction with animal tissue (human, rabbits)
R01DE-06153-05 Antibody to glucosyltransferase in adults and children
P50DE-07003-03 0005 Rochester caries research center - Animal model for root surface caries and hyposalivation (rats)
P50DE-07009-03 0008 Specialized caries research centers - Dental materials (monkeys)
P50DE-07117-02 0004 Periodontal disease research center - In vivo oral bacterial colonization--Microbiology and immunology (monkeys)
R23DE-07318-02 Functional role of IgA antibodies to Streptococcus mutans (rabbits)
R23DE-07496-01 Surface antigens of oral bacteroides gingivalis (rabbits)

VACCINES, BACTERIAL, STREPTOCOCCAL VACCINES
R01DE-05606-06 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits)
R01DE-06669-04 Antigen delivery system design for host defense analysis (rodent, human, rabbit)

VACCINES, VIRAL VACCINES (GENERAL)
R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)

VACUOLES
SEE CELL COMPONENTS, VACUOLES

VALINOMYCIN
SEE ANTIBIOTICS, VALINOMYCIN

VALIUM
SEE AZEPINES, BENZODIAZEPINES, DIAZEPAM

VALPROATE
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

VALPROIC ACID
SEE CARBOXYLIC ACIDS, 2-PROPYL VALERIC ACID

VANADIUM (COMPOUNDS)
SEE METALS, HEAVY METALS VANADIUM (COMPOUNDS)

VARIABLE REGION (VL,VM) GENES
SEE IMMUNOGENETICS, IMMUNOGLOBULIN GENES AND CONTROL

VASCULAR PERMEABILITY
SEE CARDIOVASCULAR SYSTEM, ENDOTHELIUM PERMEABILITY

VASCULAR SMOOTH MUSCLE
SEE CARDIOVASCULAR SYSTEM, BLOOD VESSELS, VASCULAR SMOOTH MUSCLE

VASOACTIVE INTESTINAL POLYPEPTIDE
SEE PEPTIDES, VASOACTIVE PEPTIDES, VASOACTIVE INTESTINAL POLYPEPTIDE

VASOCONSTRICTORS
SEE CARDIOVASCULAR AGENTS, VASOPRESSORS

VASODILATION (NORMAL)
SEE CARDIOVASCULAR FUNCTION, VASOMOTION, VASODILATION

VASODILATORS
SEE CARDIOVASCULAR AGENTS, VASODILATORS

VASOPRESSIN
SEE PITUITARY-DIENCEPHALON HORMONES, VASOPRESSIN

VASOPRESSORS
SEE CARDIOVASCULAR AGENTS, VASOPRESSORS

VEHICLES DRUG
SEE DRUGS VEHICLES

VEILLONELLA
SEE BACTERIA, NEISSERIACEAE, VEILLONELLA*

VENTILATION, HEATING, AIR CONDITIONING
SEE ENVIRONMENT CONTROLLED

VERBAL BEHAVIOR
SEE INFORMATION-COMMUNICATION BEHAVIOR, VERBAL BEHAVIOR

VERTEBRATES
SEE ANIMALS, CHORDATES, VERTEBRATES*

VESICLES (CELL COMPONENT)
SEE CELL COMPONENTS, VACUOLES

VIBRIO
SEE BACTERIA, PSEUDOMONADALES, VIBRIO*

VIBRIONACEAE
SEE BACTERIA, PSEUDOMONADALES, SPIRILLACEAE*

VIDEOTAPES (GENERAL)
SEE INFORMATION DISSEMINATION, VIDEOTAPES (GENERAL)

VINYLBENZENE POLYMERS
SEE PLASTICS, STYRENE POLYMERS

VINYL CHLORIDE POLYMERS
SEE PLASTICS, POLYVINYLS

VINYL POLYMERS
SEE PLASTICS, POLYVINYLS

VIP
SEE PEPTIDES, VASOACTIVE PEPTIDES, VASOACTIVE INTESTINAL POLYPEPTIDE

VIRAL ANTIBODIES
SEE IMMUNOLOGY, ANTIBODIES VIRAL

VIRAL ANTIGENS
SEE IMMUNOLOGY, ANTIGENS VIRAL

(contd)

*Excludes routine methodology (R covers only general projects which preclude indexing at the specific level
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

VIRAL CARCINOGENESIS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL

VIRAL DNA
SEE NUCLEIC ACIDS, DNA VIRAL

VIRAL GENETICS
SEE GENETICS, MICROBIAL, VIRAL

VIRAL ONCOLOGY
SEE VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)

VIRAL PROTEIN G
SEE PROTEINS, VIRAL (GENERAL)

VIRAL PROTEINS
SEE PROTEINS, VIRAL (GENERAL)

VIRAL TYPING AND IDENTIFICATION
SEE MICROBIAL IDENTIFICATION AND CLASSIFICATION, VIRAL TYPING AND IDENTIFICATION

VIRAL VACCINES
SEE VACCINES, VIRAL VACCINES (GENERAL)

VIRICIDES
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

VIRIDANS GROUP OF STREPTOCOCCI
SEE BACTERIA, STREPTOCOCCACEAE, STREPTOCOCCUS, VIRIDANS GROUP*

VIROLOGY STUDY SECTION
** R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
** R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

VIRULENCE MICROORGANISMS
SEE MICROORGANISMS VIRULENCE

VIRUS ASSOCIATED CARCINOGENESIS
SEE NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL

VIRUS CHARACTERISTICS, TRANSFORMING VIRUSES
SEE ALSO GENETICS, SOMATIC CELL AND TRANSFORMATION
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS
SEE ALSO VIRUSES, BACTERIOPHAGE*
SEE ALSO VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)
R01DE-05838-07 Morphogenetic role of glycosaminoglycans (chick embryo)

VIRUS DEVELOPMENT, REPLICATION
** R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
R03DE-07715-01 Parvovirus associated craniofacial disturbances (hamsters, rats)

VIRUS DISEASE CHARACTERISTICS, CYTOPATHOGENIC EFFECT VIRAL
P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)
R01DE-07943-01 Herpes virus sequences that inhibit gene transfection
R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)
** R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)

VIRUS DISEASE CHARACTERISTICS, LATENT DORMANT OR SLOW
R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)
** R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)
R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)

VIRUS DISEASES
SEE ALSO BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, INFECTIOUS MONONUCLEOSIS
SEE ALSO COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL
SEE ALSO GENETICS, SOMATIC CELL AND TRANSFORMATION, TRANSFECTION
SEE ALSO IMMUNOLOGY, ANTIBODIES VIRAL
SEE ALSO NEOPLASMS OF BLOOD AND RE SYSTEM, LYMPHOMA, BURKITT'S
SEE ALSO NEOPLASTIC TRANSFORMATION, CARCINOGENESIS, VIRAL
SEE ALSO NERVOUS DISORDERS, MYELINOPATHIES, MULTIPLE SCLEROSIS
R13DE-07469-01 Symposium on oral mucosal diseases
** R03DE-07715-01 Parvovirus associated craniofacial disturbances (hamsters, rats)
** R03DE-07747-01 Viral infection & salivary gland graft-vs host disease (mice, rats)

VIRUS DISEASES, HERPESVIRIDAE
** R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)

VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
SEE ALSO VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE
SEE ALSO VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1
** R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
** R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
** P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)
R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)
** P50DE-07618-01 0004 Orofacial pain research center - Post herpetic neuralgia (human)

VIRUS DISEASES, RETROVIRIDAE
** P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)
** R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

VIRUS INFECTION MECHANISMS (GENERAL)
SEE VIRUS DISEASE CHARACTERISTICS, INFECTION MECHANISMS (GENERAL)

VIRUS INHIBITORS
SEE COMMUNICABLE DISEASE CONTROL AGENTS, ANTIVIRAL

VIRUS REPLICATION
SEE VIRUS DEVELOPMENT, REPLICATION

VIRUSES, BACTERIOPHAGE*
** R01DE-03606-17 Morphogenesis of bacteriophage Phi-29
R37DE-04224-12 Studies on the genetics of oral microflora (rabbits)

VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE
SEE ALSO VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
** P50DE-02623-19 0002 Center for oral health research - Glycoprotein gD of herpes simplex virus
R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)
** R01DE-07008-04 Herpes virus antibodies in patients with oral cancer
** R03DE-07284-01 Role of prostaglandins in recurrent herpes (mice, rabbits)
** R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 1
SEE ALSO VIRUS DISEASES, HERPESVIRIDAE, HERPES SIMPLEX
** R01DE-06866-03 Deoxyuridine metabolism in herpes labialis (rabbit, human)
** R01DE-06900-02 Immunology of oral herpes simplex viral infections (human)
P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)
** R01DE-07943-01 Herpes virus sequences that inhibit gene transfection

VIRUSES, HERPESVIRIDAE, ALPHAHERPESVIRINAE, HUMAN (ALPHA) HERPESVIRUS 2
P50DE-07618-01 0001 Orofacial pain research center - Herpes and nerve function (guinea pig, rabbit)

VIRUSES, HERPESVIRIDAE, BETAHERPESVIRINAE
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4
SEE ALSO BLOOD AND RE DISORDERS, LEUKOCYTE DISORDERS, INFECTIOUS MONONUCLEOSIS
SEE ALSO NEOPLASMS OF BLOOD AND RE SYSTEM, LYMPHOMA, BURKITT'S
** R03DE-07722-01 The healthy oral cavity--Source of Epstein-Barr virus
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

VIRUSES, ONCOGENIC (INCLUDING ONCOGENIC VIRUS-LIKE PARTICLES)
SEE ALSO GENETICS, GENES, ONCOGENES
SEE ALSO GROWTH FACTORS (INCL. ANABOLICS), TRANSFORMING GROWTH FACTORS
SEE ALSO VIRUSES, HERPESVIRIDAE, HUMAN (GAMMA) HERPESVIRUS 4
R01DE-07323-01 Development of oral cancer in hamster buccal pouches (also rabbits)

VIRUSES, PAPOVAVIRIDAE
R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)

VIRUSES, PAPOVAVIRIDAE, PAPILLOMAVIRUS
R01DE-04511-11 Stability of differentiation--Craniofacial study (mice, human, hamsters)
R01DE-08112-01 0001 Oral manifestations of the acquired immunodeficiency syndrome - Oral soft tissue disease manifestations of AIDS virus infection (human)

VIRUSES, PAPOVAVIRIDAE, PAPILLOMAVIRUS, WARTS VIRUSES
R01DE-07008-04 Herpes virus antibodies in patients with oral cancer

VIRUSES, PARVOVIRIDAE
** R03DE-07715-01 Parvovirus associated craniofacial disturbances (hamsters, rats)

VIRUSES, RETROVIRIDAE, LEUKOSIS-SARCOMA AVIAN, LEUKOSIS VIRUSES AVIAN
** P50DE-02668-20 0176 Regional dental research center - Collagen biochemistry and myeloblastoma (chick embryo)

VIRUSES, SIMIAN VIRUSES
** R01DE-08112-01 0002 Oral manifestations of the acquired immunodeficiency syndrome - Oral aspects of simian AIDS (Rhesus macaques)

VISCERAL AFFERENT NERVES
SEE NERVOUS SYSTEM, AFFERENT NERVES, VISCERAL AFFERENT NERVES

VISIBLE LIGHT
SEE RADIATION, ELECTROMAGNETIC WAVES, VISIBLE LIGHT (380NM TO 720NM)

VISUAL RETINAL PIGMENTS
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

VISUAL STIMULUS
SEE EYE, VISUAL STIMULUS

VITAL CAPACITY
SEE RESPIRATORY FUNCTION, RESPIRATORY AIRWAY VOLUME

VITAMIN EXCESS
SEE NUTRITIONAL ABNORMALITIES, HYPERVITAMINOSIS

VITAMIN A (GENERAL)
SEE VITAMINS, VITAMIN A (GENERAL)

VITAMIN A1
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

VITAMIN A ACID
SEE VITAMINS, VITAMIN A, RETINOIC ACID

VITAMIN A ALDEHYDE
SEE VITAMINS, VITAMIN A, RETINALDEHYDE

VITAMIN A ANALOGS
SEE VITAMINS, VITAMIN A ANALOGS

VITAMIN A AS ALL-TRANS RETINOL
SEE VITAMINS, VITAMIN A, ALL-TRANS RETINOL

VITAMIN C (GENERAL)
SEE VITAMINS, VITAMIN C (GENERAL)

VITAMIN D (GENERAL)
SEE VITAMINS, VITAMIN D (GENERAL)

VITAMIN D DEFICIENCY
SEE NUTRITIONAL ABNORMALITIES, HYPOVITAMINOSIS D

VITAMIN D3
SEE VITAMINS, VITAMIN D, CHOLECALCIFEROL

VITAMIN D3, 25-HYDROXY
SEE VITAMINS, VITAMIN D, 25-HYDROXYCHOLECALCIFEROL

VITAMIN D3 ACTIVATED
SEE VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL

VITAMIN H
SEE VITAMINS, BIOTIN

VITAMIN K
SEE VITAMINS, VITAMIN K (GENERAL)

VITAMIN THERAPY
SEE NUTRITION, DIET THERAPEUTIC, VITAMIN THERAPY (ALL ROUTES OF ADMINISTRATION)

VITAMINS, BIOTIN
SEE ALSO ALBUMINS, AVIDIN
R03DE-07550-01 Lymphocyte subpopulations in periodontal tissues
R03DE-07871-01 Production of capnocytophaga specific monoclonal antibodies (mice)

VITAMINS, VITAMIN A (GENERAL)
R01DE-06425-03 Nutritional studies of tooth development in vitro (mice, rats)
R23DE-06739-03 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats)

(contd).

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject

M Grant has subprojects describing specific research aspects
See Appendix for investigator's name and Grant Number

VITAMINS, VITAMIN A, ALL-TRANS RETINOL
P50DE-02668-20 0172 Regional dental research center - Genetic and environmental factors interaction in development of cleft lip (mice)
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries

VITAMINS, VITAMIN A, RETINALDEHYDE
R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)

VITAMINS, VITAMIN A, RETINOIC ACID
R01DE-06977-03 Oral mucosa in vitro (mice, rats, guinea pigs)

VITAMINS, VITAMIN A, RETINOIC ACID, 13-CIS RETINOIC ACID
** R01DE-07459-01 Isotretinoin-induced craniofacial malformations (mice)

VITAMINS, VITAMIN A ANALOGS
R01DE-06028-03 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats)
R01DE-07007-03 Multiple factors in the etiology of oral cancer (mice)

VITAMINS, VITAMIN C (GENERAL)
R01DE-03318-15 The molecular nature of gingival and mucosal collagen (rats)

VITAMINS, VITAMIN C, ASCORBIC ACID
P50DE-02670-20 0020 Institute of dental research - Effects of trace elements on tooth development and caries

VITAMINS, VITAMIN D (GENERAL)
** P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R01DE-04774-08 Cellular events in bone remodeling (rats, mice, chickens)
R01DE-05937-06 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken)
R01DE-07916-07 Calcium binding proteins and calcium homeostasis (chickens)

VITAMINS, VITAMIN D, CHOLECALCIFEROL
R23DE-07113-03 Isolation and characterization of osteoclasts (chicks)

VITAMINS, VITAMIN D, 1,25-DIHYDROXYCHOLECALCIFEROL
R01DE-05413-07 Bone resorption in periodontal disease (human, mice)
R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)

VITAMINS, VITAMIN D, 25-HYDROXYCHOLECALCIFEROL
P50DE-02668-20 0088 Regional dental research center - Hypervitaminosis D in lactation (rats)
R01DE-07272-01 Hormonal regulation of bone growth in vivo (rabbits, rats)

VITAMINS, VITAMIN E, TOCOLS
R01DE-06893-03 Effects of beta-carotene on salivary gland tumors (rats)

VITAMINS, VITAMIN K (GENERAL)
R23DE-07788-01 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

WARTS VIRUS HUMAN
SEE VIRUSES, PAPOVAVIRIDAE, PAPILLOMAVIRUS, WARTS VIRUSES

WATER
SEE ALSO BIOLOGICAL TRANSPORT, FLUID EXCHANGE AND TRANSPORT
SEE ALSO CHEMICAL REACTIONS, HYDRATION-DEHYDRATION
SEE ALSO CHEMICAL REACTIONS, SOLVOLYSIS, HYDROLYSIS
** R01DE-06201-02 Water sorption of glassy dental polymers
R03DE-07014-02 Human PDL cell attachment to root surfaces

WATER-ELECTROLYTE BALANCE
SEE BODY FLUID BALANCE, IONIC

WATER QUALITY
R03DE-07855-01 Public knowledge and opinion--Fluorides/fluoridation (human)

WATER SUPPLY
SEE ALSO WATER QUALITY
R23DE-07384-02 Effects of chronic high fluoride on enamel development (rats)
R01DE-07455-01 Prevention of root caries with fluoride (hamsters)

WATER TREATMENT
** R03DE-07855-01 Public knowledge and opinion--Fluorides/fluoridation (human)

WAVESHAPE PROCESSING ANALYSIS AND DISPLAY
SEE OPTICS, IMAGE PROCESSING ANALYSIS AND DISPLAY*

WEANLING
SEE CHILD DEVELOPMENT, WEANLING

WEAR PROPERTIES OF DENTAL MATERIALS
SEE DENTAL MATERIALS, WEAR

WEAR RESISTANCE OF DENTAL MATERIALS
SEE DENTAL MATERIALS, WEAR

WHITE AMERICANS
SEE SOCIAL GROUPS, ETHNIC, AMERICANS, WHITE AMERICANS

WHITE LIGHT
SEE RADIATION, ELECTROMAGNETIC WAVES, VISIBLE LIGHT (380NM TO 720NM)

WOUND HEALING
SEE INJURIES, WOUND HEALING

XENOGRAFT
SEE TISSUE COMPATIBILITY-TRANSPLANT, TRANSPLANTATION HETEROLOGOUS

XERODERMOSTEOSIS
SEE CONNECTIVE TISSUE DISORDERS, SJOGREN'S SYNDROME

XEROGRAPHIC RADIOGRAPHS
SEE RADIOGRAPHY, XEROGRAPHY

XEROGRAPHY
SEE RADIOGRAPHY, XEROGRAPHY

X-RAY RADIOGRAPHY
SEE RADIOGRAPHY*

X-RAYS
SEE RADIATION, ELECTROMAGNETIC WAVES, X-RAYS

YOUNG ADULTS
SEE AGE (HUMAN), ADULT, YOUNG (21 TO 44 YRS)

YOUTH
SEE CHILDREN

ZEUMATOGRAPHY
SEE OPTICS, NMR IMAGING

ZINC (COMPOUNDS)
SEE METALS, HEAVY METALS, ZINC (COMPOUNDS)

ZN
SEE METALS, HEAVY METALS, ZINC (COMPOUNDS)

ZONA
SEE VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)

ZOSTER
SEE VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)

ZOSTER OPHTHALMICUS
SEE VIRUS DISEASES, HERPESVIRIDAE, SHINGLES (ZOSTER)

ZYMOGENS
SEE ENZYMES, ZYMOGENS

*Excludes routine methodology OR covers only general projects which preclude indexing at the specific level.
**Oriented significantly to above subject.

M Grant has subprojects describing specific research aspects. See Appendix for investigator's name and Grant Number.

(cont'd)

PROJECT IDENTIFICATION DATA

PROJECT NO. REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-01374-26 (OBM) VEIS, ARTHUR, NORTHWESTERN UNIVERSITY, 303 EAST CHICAGO AVENUE, CHICAGO, ILL 60611 Matrix component interactions in bone and dentin (rabbits, rats, mice).

R01DE-01554-25 (OBM) MANDEL, IRWIN D, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y 10032 Host factors in caries resistance (human, bacteria).

P01DE-01697-24 (SSS) MC WILLIAMS, BETTY J, UNIVERSITY OF PITTSBURGH, 3501 TERRACE STREET, PITTSBURGH, PA 15261 Developmental research in cleft palate.

P01DE-01697-24 0039 (SSS) PARADISE, JACK L. Developmental research in cleft palate--Otitis media and its consequences (human).

P01DE-01697-24 0041 (SSS) REILLY, JAMES S. Developmental research in cleft palate--Cleft palate repair and eustachian tube function in children.

P01DE-01697-24 0042 (SSS) LINVILLE, RAYMOND N. Developmental research in cleft palate--Speech science project.

P01DE-01697-24 0043 (SSS) SIEGEL, MICHAEL I. Developmental research in cleft palate--Chimpanzee model of SL-traction and perinatal midfacial growth.

P01DE-01697-24 0044 (SSS) SIEGEL, MICHAEL I. Developmental research in cleft palate--Archive of normal and cleft palate fetal histology.

P01DE-01697-24 0045 (SSS) SCHWARTZ, JEFFREY H. Developmental research in cleft palate--Innervation of the human primary upper dentition.

P01DE-01850-23 (SSS) SINGER, LEON, UNIVERSITY OF MINNESOTA, 18-104 MALCOLM MOOS TOWER, MINNEAPOLIS, MINN 55455 Nutritional sources and metabolic roles of fluoride.

P01DE-01850-23 0071 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Daily dietary fluoride intake of children and young adults.

P01DE-01850-23 0081 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Effect of fluoride intake on strain N mice.

P01DE-01850-23 0086 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Absorption of fluoride from dietary substances (mice).

P01DE-01850-23 0091 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Metabolic changes in repletion of bone and effect of fluoride intake (rats).

P01DE-01850-23 0092 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Forms of fluoride in plaque (humans, rats).

P01DE-01850-23 0093 (SSS) SINGER, LEON. Nutritional sources and metabolic roles of fluoride--Effect of calcium deficiency on the mobilization of skeletal fluoride (rats).

R01DE-02103-21 (OBM) URIST, MARSHALL R, UCLA BONE RESEARCH LABORATORY, 1000 VETERAN AVENUE, RM A3-24 , LOS ANGELES, CALIF 90024 Inductive substrates of tooth and bone formation (humans, animals).

R01DE-02110-22 (OBM) SCHNEYER, CHARLOTTE A, UNIV OF ALABAMA AT BIRMINGHAM, UAB - UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Study of salivary gland structure and function (mice, rats).

R01DE-02320-20 (OBM) MAHLER, DAVID B, OREGON HLTH SCIS UNIVERSITY , 611 S W CAMPUS DRIVE, PORTLAND, OR 97201 Clinical behavior of dental restorative materials (human).

R01DE-02525-20 (PHY) SIMMELINK, JAMES W, CASE WESTERN RESERVE UNIV, 2123 ABINGTON ROAD, CLEVELAND, OH 44106 Ultrastructural histopathology of human dental enamel.

P50DE-02600-20 (DSR) PAGE, ROY C, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY SM-42, SEATTLE, WASH 98195 Support for oral biology research center.

P50DE-02600-20 0003 (DSR) BORNSTEIN, PAUL A. Support for oral biology research center--Disorders of connective tissue metabolism (human).

P50DE-02600-20 0014 (DSR) CLAGETT, JAMES A. Support for oral biology research center--Periodontal diseases--Cyclical cell alterations in lymphoid cells.

P50DE-02600-20 0023 (DSR) STORB, URSULA B. Support for oral biology research center--Regulation of antibody response (mice).

P50DE-02600-20 0028 (DSR) HOWARD, GUY. Support for oral biology research center--Repletion and coupling in bone volume regulation (human, monkeys).

P50DE-02600-20 0030 (DSR) ALTMAN, LEONARD C. Support for oral biology research center--Human gingival epithelial cells.

P50DE-02600-20 0034 (DSR) IZUTSU, KENNETH T. Support for oral biology research center--Salivary and oral mucosal changes after chemotherapeutic drugs (human).

P50DE-02600-20 0035 (DSR) KENNY, GEORGE E. Support for oral biology research center--Antigens of potential periodontal pathogens.

P50DE-02600-20 0037 (DSR) MONCLA, BERNARD. Support for oral biology research center--Peridontal microflora (human).

P50DE-02600-20 0038 (DSR) NARAYANAN, A SAMPATH. Support for oral biology research center--Connective tissue alterations in periodontal disease.

P50DE-02600-20 0041 (DSR) PAGE, ROY C. Support for oral biology research center--Laboratory and clinical management of the periodontal diseases.

P50DE-02600-20 0043 (DSR) ALTMAN, LEONARD C. Support for oral biology research center--Neutrophil mediated sulcus epithelial cell injury (human).

P50DE-02600-20 0045 (DSR) BIRDSELL, D C. Support for oral biology research center--Colonization by oral gram negative anaerobic bacteria.

P50DE-02600-20 0047 (DSR) PAGE, ROY C. Support for oral biology research center--Genetic aspects of periodontal diseases.

P50DE-02623-19 (DSR) ROSENBLOOM, JOEL, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Center for oral health research.

P50DE-02623-19 0002 (DSR) COHEN, GARY H. Center for oral health research--Glycoprotein gD of herpes simplex virus.

P50DE-02623-19 0009 (DSR) LISTGARTEN, MAX A. Center for oral health research--Oral microorganisms in periodontal health and disease (human, rats).

PROJECT NO. REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

P50DE-02623-19 0023 (DSR) TAICHMAN, NORTON S. Center for oral health research--Interactions of oral bacteria and polymorphonuclear leukocytes (human, animals).

P50DE-02623-19 0030 (DSR) SHAPIRO, IRVING M. Center for oral health research--Cellular control of mineralization.

P50DE-02623-19 0032 (DSR) MALAMUD, DANIEL. Center for oral health research--Interactions of salivary agglutinins and oral bacteria.

P50DE-02623-19 0034 (DSR) NOWOTNY, ALOIS H. Center for oral health research--Bacterial components inducing bone resroption.

P50DE-02623-19 0035 (DSR) LALLY, EDWARD. Center for oral health research--Cellular aspects of the murine IgA response.

P50DE-02623-19 0036 (DSR) ROSENBLOOM, JOEL. Center for oral health research--Enamel proteins and their genes.

P50DE-02623-19 0037 (DSR) DIRIENZO, JOSEPH M. Center for oral health research--Physiology and genetics of transport in oral fusobacteria.

P50DE-02668-20 (DSR) STAMM, JOHN W, UNIV OF NORTH CAROLINA, DENTAL RESEARCH BLDG 210H, CHAPEL HILL, N C 27514 Regional dental research center.

P50DE-02668-20 0088 (DSR) TOVERUD, S U. Regional dental research center--Hypervitaminosis D in lactation (rats).

P50DE-02668-20 0123 (DSR) KUSY, ROBERT P. Regional dental research center--In situ replication techniques and the wear of restorative materials.

P50DE-02668-20 0125 (DSR) MECHANIC, GERALD L. Regional dental research center--Significance of collagen crosslinks in tissue.

P50DE-02668-20 0145 (DSR) TURNER, DERBY T. Regional dental research center--Strengths of polymers in tooth restorative materials.

P50DE-02668-20 0150 (DSR) TURNER, DEREK T. Regional dental research center--Polymerization of tooth restorative composite materials.

P50DE-02668-20 0151 (DSR) BAWDEN, JAMES W. Regional dental research center--Factors controlling the flux of ions into developing enamel.

P50DE-02668-20 0168 (DSR) WHITE, GILBERT C. Regional dental research center--Platelets and thrombin (human).

P50DE-02668-20 0172 (DSR) JOHNSTON, MALCOLM C. Regional dental research center--Genetic and environmental factors interaction in development of cleft lip (mice).

P50DE-02668-20 0176 (DSR) MECHANIC, GERALD L. Regional dental research center--Collagen biochemistry and myeloblastoma (chick embryo).

P50DE-02668-20 0190 (DSR) LUNDBLAD, ROGER L. Regional dental research center--Thrombin and prothrombin.

P50DE-02668-20 0191 (DSR) WILDER, ALDRIDGE D. Regional dental research center--Clinical study of restorative materials.

P50DE-02668-20 0196 (DSR) HANKER, JACOB S. Regional dental research center--Ultracytochemical demonstration of enzymes and biomacromolecules (mice).

P50DE-02668-20 0197 (DSR) HANKER, JACOB S. Regional dental research center--Ultracytochemical and immunocytochemical studies of nerve tissue.

P50DE-02668-20 0204 (DSR) DREYER, DUANE A. Regional dental research center--Psychophysical measures of combined tactile and thermal sensitivity (human).

P50DE-02668-20 0209 (DSR) DREYER, DUANE A. Regional dental research center--Static and dynamic properties of S-I neurons in the behaving macaque monkey.

P50DE-02668-20 0210 (DSR) WHITSEL, BARRY L. Regional dental research center--Somesthetic capacities of human subjects (monkeys).

P50DE-02668-20 0213 (DSR) COFFEY, JAMES C. Regional dental research center--Action of androgen on submaxillary gland function.

P50DE-02668-20 0214 (DSR) WARREN, DONALD W. Regional dental research center--Motor control during speech.

P50DE-02668-20 0215 (DSR) HIRSCH, PHILIP F. Regional dental research center--Osteopenia--Factors influencing development and recovery (rats).

P50DE-02670-20 (DSR) FULLMER, HAROLD M, UNIV OF ALABAMA SCH OF DENT , UAB - UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Institute of dental research.

P50DE-02670-20 0001 (DSR) BUGG, CHARLES E. Institute of dental research--X-ray crystallography program.

P50DE-02670-20 0003 (DSR) BUTLER, WILLIAM T. Institute of dental research--Macromolecules of mineralized tissues.

P50DE-02670-20 0014 (DSR) KOULOURIDES, THEODORE. Institute of dental research--Intraoral and in vitro studies of dental caries.

P50DE-02670-20 0018 (DSR) MESTECKY, JIRI F. Institute of dental research--Immune response to Streptococcus mutans.

P50DE-02670-20 0019 (DSR) MILLER, EDWARD J. Institute of dental research--Chemistry/biology of the genetically-distinct collagens.

P50DE-02670-20 0020 (DSR) NAVIA, JUAN M. Institute of dental research--Effects of trace elements on tooth development and caries.

P50DE-02670-20 0024 (DSR) RODEN, LENNART. Institute of dental research--Biosynthesis of heparin and heparin sulfate.

P50DE-02670-20 0029 (DSR) BAKER, JOHN R. Institute of dental research--Structure and interactions of proteoglycans.

P50DE-02670-20 0036 (DSR) RETIEF, D HUGO. Institute of dental research--Dental caries preventive measures (rats).

P50DE-02670-20 0037 (DSR) MC GHEE, JERRY R. Institute of dental research--IgA responses to S mutans--Induction and regulation.

P50DE-02670-20 0038 (DSR) GAY, STEFFEN. Institute of dental research--Immunology-pathology of the different collagen types (rats).

P50DE-02670-20 0039 (DSR) BIRKEDAL-HANSEN, HENNING. Institute of dental research--Structure and function of latent collagenase.

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO. REVIEW GROUP INVESTIGATOR, ADDRESS, AND TITLE

P50DE-02670-20 0040 (DSR) CAULFIELD, PAGE W. Institute of dental research--Streptococcus mutans strains common to mother and child (mammals).

P50DE-02670-20 0041 (DSR) MICHALEK, SUZANNE M. Institute of dental research--Oral disease immunobiology--Hybridoma technology.

P50DE-02731-20 (DSR) AVERY, JAMES K, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Development support for dental research institute.

P50DE-02731-20 0001 (DSR) ASH, MAJOR M. Development support for dental research institute--Stomatognathic physiology laboratory (human).

P50DE-02731-20 0019 (DSR) CLEWELL, DON B. Development support for dental research institute--Molecular biology laboratory.

P50DE-02731-20 0021 (DSR) LOESCHE, WALTER J. Development support for dental research institute--Bacteriology laboratory (human).

P50DE-02731-20 0031 (DSR) DZIEWIATKOWSKI, DOMINIC D. Development support for dental research institute--Biochemistry laboratory (human).

P50DE-02731-20 0032 (DSR) MACCALLUM, DONALD K. Development support for dental research institute--Experimental cytology laboratory (rats).

P50DE-02731-20 0033 (DSR) CAFFESSE, R G. Development support for dental research institute--Epidemiology laboratory (human).

P50DE-02731-20 0034 (DSR) KESSLER, R E. Development support for dental research institute--Microbial biochemistry laboratory.

P50DE-02731-20 0035 (DSR) LOPATIN, DENNIS E. Development support for dental research institute--Immunology laboratory.

P50DE-02731-20 0037 (DSR) OBRIEN, W J. Development support for dental research institute--Surface science laboratory.

P01DE-02847-18 (SSS) GIBBONS, RONALD J, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MA 02115 Microbial ecology and its relation to dental disease.

P01DE-02847-18 0020 (SSS) GIBBONS, RONALD J. Microbial ecology and its relation to dental disease--Adherence of oral bacteria to teeth.

P01DE-02847-18 0021 (SSS) VANHOUTE, JO HANNES. Microbial ecology and its relation to dental disease--Oral colonization of cariogenic and plaque-forming bacteria.

P01DE-02847-18 0022 (SSS) JORDAN, HAROLD V. Microbial ecology and its relation to dental disease--Cemental caries as a dental problem (human, rats, primates).

P01DE-02847-18 0023 (SSS) SOCRANSKY, SIGMUND S. Microbial ecology and its relation to dental disease--Microbiota associated with periodontal diseases (human, rats, hamsters).

P01DE-02848-16 (SSS) SLAVKIN, HAROLD C, UNIV OF SOUTHERN CALIFORNIA , UNIVERSITY PARK MC-0191, LOS ANGELES, CA 90089-0191 Biology of connective tissue, bones, and teeth.

P01DE-02848-16 0011 (SSS) SNEAD, MALCOLM L. Biology of connective tissue, bones, and teeth--Molecular genetics of enamel marine animals (mice).

P01DE-02848-16 0012 (SSS) ZEICHNER, DAVID M. Biology of connective tissue, bones, and teeth--Molecular genetics of dentine (mice).

P01DE-02848-16 0013 (SSS) SLAVKIN, HAROLD C. Biology of connective tissue, bones, and teeth--Extra cellular matrix influences of epithelial gene expression--Cementogenesis.

R01DE-02936-18 (OBM) MAHLER, DAVID B, OREGON HLTH SCI UNIV, 611 S W CAMPUS DRIVE, PORTLAND, OREG 97201 Relationship of microstructure to behavior of amalgam.

R01DE-03180-16 (OBM) ROSAN, BURTON, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Microbiologic studies of the human oral streptococci (also rabbits).

R37DE-03187-15 (OBM) MORENO, EDGARD C, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Transport in enamel and solubility of enamel (human).

R01DE-03223-16 (OBM) NANCOLLAS, GEORGE H, STATE UNIV OF NY AT BUFFALO , MAIN ST CAMPUS ACHESON HALL , BUFFALO, NY 14214 Kinetics of mineralization of teeth (human).

R01DE-03246-17 (CBY) CAPLOW, MICHAEL, 314 FACULTY LAB OFFICE BLDG , UNIV OF NORTH CAROLINA, CHAPEL HILL, N C 27514 Dynamic properties of the cytoskeleton.

R37DE-03258-15 (OBM) KURAMITSU, HOWARD K, NORTHWESTERN UNIV MEDICAL DENT, 303 E CHICAGO AVENUE, CHICAGO, IL 60611 Molecular genetic analysis of S mutans cariogenicity.

R01DE-03301-16 (PBC) PAGE, ROY C, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PATHOLOGY SM-30 , SEATTLE, WASH 98195 Connective tissues of the periodontium (human, dog).

R01DE-03318-15 (PBC) SCHNEIR, MICHAEL L, UNIV OF SOUTHERN CALIFORNIA , SCHOOL OF DENTISTRY, LOS ANGELES, CA 90089-1482 The molecular nature of gingival and mucosal collagen (rats).

R01DE-03487-15 (OBM) SHOCKMAN, GERALD D, TEMPLE UNIVERSITY, DEPT OF MICROBIOL/IMMUNOLOGY , PHILADELPHIA, PA 19140 Inhibition of human cariogenic streptococci.

R01DE-03488-15 (OBM) TANNER, ANNE C, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Microbial composition of developing dental plaque (human, bacteria).

R01DE-03578-15 (PC) ROBYT, JOHN F, IOWA STATE UNIVERSITY, DEPT BIOCHEMISTRY & BIOPHYSICS, AMES, IOWA 50011 Biosynthetic study of dental plaque polysaccharides (bacteria).

R01DE-03598-11 (OBM) BAUMRIND, SHELDON, UNIVERSITY OF CALIFORNIA, DEPT OF GROWTH & DEVELOPMENT , SAN FRANCISCO, CALIF 94143 Dentofacial effects of forces to retract the maxilla (human).

R01DE-03601-13 (OBM) MAREK, MIROSLAV I, GEORGIA INST OF TECHNOLOGY, SCHOOL OF MATERIALS ENGINEERIN, ATLANTA, GA 30332 Effect of corrosion on dental amalgams.

R01DE-03606-17 (MBC) ANDERSON, DWIGHT L, UNIVERSITY OF MINNESOTA, 18-246 MOOS HLTH SCI TOWER, MINNEAPOLIS, MINN 55455 Morphogenesis of bacteriophage Phi-29.

P01DE-03610-20 (SSS) MOYERS, ROBERT E, UNIVERSITY OF MICHIGAN, 300 N. INGALLS, ANN ARBOR, MICH 48109 Craniofacial growth and development.

P01DE-03610-20 0016 (SSS) MOYERS, ROBERT E. Craniofacial growth and development--Craniofacial growth from change (human).

P01DE-03610-20 0017 (SSS) BURDI, ALPHONSE R. Craniofacial growth and development--Prenatal patterns of abnormal human craniofacial morphogenesis.

PROJECT NO. REVIEW GROUP INVESTIGATOR, ADDRESS, AND TITLE

P01DE-03610-20 0018 (SSS) MC NAMARA, JAMES A. Craniofacial growth and development--Growth function, and adaptation of the masticatory complex (humans, monkeys).

R01DE-03658-22 (MGN) AZEN, EDWIN A, 310 GENETICS BUILDING, UNIVERSITY OF WISCONSIN, MADISON, WIS 53706 Genetic polymorphisms of saliva (human, mice).

R01DE-03666-10 (RAD) SODICOFF, MARVIN, TEMPLE UNIVERSITY, 34u0 N BROAD STREET, PHILADELPHIA, PA 19140 X-ray therapeutic index for salivary glands (rodents, human).

R01DE-03731-11 (PC) MAYER, ROBERT M, OHIO STATE UNIVERSITY, 140 W 18TH AVENUE, COLUMBUS, OHIO 43210 Studies on the dextran sucrase of Streptococcus sanguis.

R01DE-03738-14 (BI) SNYDERMAN, RALPH J, DUKE UNIVERSITY MEDICAL CENTER, P O BOX 3892, DURHAM, N C 27710 Humoral and cellular mediators of inflammation (human, horses).

R01DE-03739-14 (OBM) MOOSER, GREGORY, UNIV OF SOUTHERN CALFORNIA, UNIVERSITY PARK, LOS ANGELES, CA 90089-0641 Glycosyltransferases from oral bacteria.

R01DE-03745-15 (OBM) GARANT, PHILIAS R, S U N Y AT STONY BROOK, HEALTH SCIENCE CENTER, STONY BROOK, N Y 11794 Ultrastructure of experimental periodontitis (dogs, rabbits, rats).

R01DE-03915-13 (OBM) HAY, DONALD I, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Tooth-saliva interface phenomena and dental caries (rabbits, goats).

R01DE-03917-11 (OBM) KASHKET, SHELBY, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MA 02115 Fluoride and the metabolism of plaque bacteria.

R01DE-03953-12 (OBM) SURSTONE, CHARLES J, UNIV OF CONNECTICUT HLTH CTR , SCHOOL OF DENTAL MEDICINE, FARMINGTON, CT 06032 Force systems from orthodontic appliances.

R01DE-03987-12 (OBM) GOLUB, LORNE M, SCHOOL OF DENTAL MEDICINE, STATE UNIVERSITY OF NEW YORK , STONY BROOK, NY 11794 Gingival collagen metabolism in health and disease (human, guinea pigs, rats).

R01DE-04008-12 (GMB) CAPLAN, ARNOLD I, CASE WESTERN RESERVE UNIV, DEPARTMENT OF BIOLOGY, CLEVELAND, OH 44106 Cellular and developmental control of calcification (chick embryo).

R01DE-04068-12 (EDC) FLEISS, JOSEPH L, COLUMBIA UNIVERSITY, 600 WEST 168TH STREET, NEW YORK, N Y 10032 Statistical methods in dental research.

R01DE-04123-10 (OBM) LE GEROS, RACQUEL Z, NEW YORK UNIVERSITY DENTAL CTR, 345 EAST 24TH ST., NEW YORK, NY 10010 Formation/stability of apatites.

R01DE-04141-12 (OBM) BOSKEY, ADELE L, HOSPITAL FOR SPECIAL SURGERY , 535 EAST 70TH ST, NEW YORK, N Y 10021 Mechanism of hard tissue mineralization (human, rats).

R01DE-04164-09 (OBM) MUHL, ZANE F, UNIVERSITY OF ILLINOIS, 801 S PAULINA ST, CHICAGO, ILL 60612 Functional properties of rabbit jaw muscles (rabbit).

R01DE-04166-17 (NEUB) GOLDBERG, LOUIS J, UNIVERSITY OF CALIFORNIA, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF 90024 Oral pharyngeal reflexes (cats, human).

R01DE-04217-12 (OBM) MC GHEE, JERRY R. UNIV OF ALABAMA AT BIRMINGHAM, UAB - UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Effective immunity to dental caries--Cellular basis (mice, rats, rabbits).

R37DE-04224-12 (MBC) MACRINA, FRANCIS L, VIRGINIA COMMONWEALTH UNIV, BOX 678, MCV STATION, RICHMOND, VA 23298 Studies on the genetics of oral microflora (rabbits).

R01DE-04230-11 (OBM) SKOBE, ZIEDONIS, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Comparative ultrastructure of mammalian amelogenesis (cats).

R01DE-04235-10 (OBM) THOMAS, EDWIN L, ST JUDE CHILDREN'S RES HOSP , 332 NORTH LAUDERDALE, MEMPHIS, TENN 38101 Peroxidase in saliva and prevention of oral disease (human, s. mutants).

R01DE-04316-10 (CBY) WESTON, JAMES A, UNIVERSITY OF OREGON, DEPARTMENT OF BIOLOGY, EUGENE, OREG 97403 Environmental control of neural crest development (mouse, chick embryos).

R01DE-04321-12 (OBM) MC CABE, MEAD M, UNIVERSITY OF MIAMI, PO BOX 016960, MIAMI, FLA 33101 Cell adherence of dental plaque forming streptococci (rabbits).

R01DE-04345-11 (OBM) GAY, CAROL V, DEPT OF MOLECULAR/CELL BIOL , PENNSYLVANIA STATE UNIVERSITY , UNIVERSITY PARK, PA 16802 Cell biology of osteoclasts (chickens).

R01DE-04358-10 (BEM) GALE, ELLIOT N, SUNY AT BUFFALO, FARBER HALL, BUFFALO, NY 14214 Treatment of temporomandibular joint pain (human).

R01DE-04385-11 (SSS) CHOW, LAURENCE C, ADAHF PAFFENBARGER RESEARCH CT, NATIONAL BUREAU OF STANDARDS , GAITHERSBURG, MD 20899 Mechanism of dental caries.

R01DE-04486-09 (OBM) WEFEL, JAMES S, UNIVERSITY OF IOWA, DOWS INST FOR DENTAL RESEARCH , IOWA CITY, IOWA 52242 Kinetics and mechanisms of action of fluorides (human).

R01DE-04511-11 (OBM) TAICHMAN, LORNE B, DEPT OF ORAL BIOLOGY & PATHOLO, SUNY AT STONY BROOK, STONY BROOK, N Y 11794 Stability of differentiation--Craniofacial study (mice, human, hamsters).

R01DE-04518-10 (OBM) LEVINE, MICHAEL J, SUNY AT BUFFALO, 3435 MAIN ST, ROOM 109, BUFFALO, N Y 14214 Salivary mucins and phosphoproteins in dental plaque (mice, rabbits).

R01DE-04529-10 (OBM) HILLMAN, JEFFREY D, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Replacement therapy of dental caries (rats).

R01DE-04614-10 (OBM) LILJEMARK, WILLIAM F, UNIVERSITY OF MINNESOTA, 515 DELAWARE STREET S E, MINNEAPOLIS, MINN 55455 Adherence of oral streptococci to hydroxyapatite.

R01DE-04645-09 (MBC) CHARON, NYLES W, WEST VIRGINIA UNIVERSITY, DEPARTMENT OF MICROBIOLOGY, MORGANTOWN, W VA 26506 A genetic-biochemical analysis of spirochete motility (mice).

R01DE-04660-11 (OBM) DALE, BEVERLY A, UNIVERSITY OF WASHINGTON, DEPARTMENT OF PERIODONTICS, SEATTLE, WASH 98195 Keratohyalin in keratinization--Oral mucosa and skin (human).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-04724-08 (OBM) BARON, ROLAND E, YALE UNIVERSITY, 333 CEDAR STREET, NEW HAVEN, CONN 06510 Cellular events in bone remodeling (rats, mice, chickens)

R01DE-04786-09 (CMS) SESSLE, BARRY J, UNIVERSITY OF TORONTO, 124 EDWARD ST, TORONTO, ONT., CANADA M5G 1G6 Dental and orofacial pain--Brain stem mechanisms (cats)

P50DE-04881-10 (DSR) SOCRANSKY, SIGMUND S, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Clinical research in periodontal disease.

P50DE-04881-10 0001 (DSR) SOCRANSKY, SIGMUND S. Clinical research in periodontal disease--Diagnosis and treatment of destructive periodontal diseases (human).

P50DE-04881-10 0002 (DSR) SOCRANSKY, SIGMUND S. Clinical research in periodontal disease--Relationship of subgingival microbiota to the etiology of periodontal diseases.

P50DE-04881-10 0003 (DSR) STASHENKO, PHILIP. Clinical research in periodontal disease--Host immunologic response to oral microorganisms.

P50DE-04881-10 0004 (DSR) GOODSON, J MAX. Clinical research in periodontal disease--Bone destruction in periodontal disease (human).

R01DE-04897-06 (OBM) MARTINEZ, J RICARDO, UNIVERSITY OF MISSOURI, DEPT OF CHILD HEALTH, COLUMBIA, MO 65212 Functional development of salivary glands (rats).

P50DE-04898-10 (DSR) GENCO, ROBERT J, SUNY AT BUFFALO 13b FOSTER HALL, BUFFALO, N Y 14214 Periodontal disease research center.

P50DE-04898-10 0001 (DSR) GENCO, ROBERT J. Periodontal disease research center--Oral microbiology (human, rabbits, rats, mice).

P50DE-04898-10 0002 (DSR) GENCO, ROBERT J. Periodontal disease research center--Host response in periodontal disease (human, rabbits, rats, mice).

P50DE-04898-10 0003 (DSR) GENCO, ROBERT J. Periodontal disease research center--Therapy and prevention of periodontal diseases (human, rabbits, rats, mice).

R01DE-04940-06 (OBM) VARGERVIK, KARIN, 747 MEDICAL SCIENCES BLDG, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CALIF 94143 Muscular disorders in craniofacial malformations (human).

R01DE-04942-07 (NEUA) WESTRUM, LESNICK E, UNIV OF WASHINGTON, RI-20, DEPT OF NEUROLOGICAL SURGERY , SEATTLE, WASH 98195 Teeth and trigeminal pathways (cats, monkeys).

R01DE-04960-08 (OBM) DENNY, PAUL C, UNIV OF SOUTHERN CALIFORNIA , SCHOOL OF DENTISTRY, LOS ANGELES, CA 90089-0641 Mechanisms of salivary gland development (mice, rabbits, rats).

R01DE-04961-07 (OBM) MINKIN, CEDRIC, SCHOOL OF DENTISTRY, UNIV OF SOUTHERN CALIFORNIA , LOS ANGELES, CA 90089-0641 Mechanisms of bone resorption in chronic periodontitis (mice).

R01DE-04970-08 (PBC) SCHWARTZ, STEPHEN A, THE UNIVERSITY OF CHICAGO, 5815 S. MARYLAND AVENUE, CHICAGO, ILL 60637 Nuclear composition and organization for odontogenesis (rats).

R01DE-04971-08 (OBM) LEVINE, MICHAEL J, S U N Y AT BUFFALO, 3435 MAIN STREET, BUFFALO, NY 14212 Salivary mucins and dental diseases (human).

R01DE-05030-08 (OBM) MATHEW, MATHAI, AMER DENTAL ASSOC HLTH FDN., NATIONAL BUREAU OF STANDARDS , GAITHERSBURG MD 20899 Crystal chemistry of calcium phosphates (human, rats, guinea pigs).

R01DE-05054-08 (OBM) RANNEY, RICHARD R, VIRGINIA COMMONWEALTH UNIV, BOX 566, MCV STATION, RICHMOND, VA 23298 Periodontal disease--Microbiological studies (human).

R01DE-05067-08 (OBM) GRON, POUL, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Interaction of topical fluoride with human enamel (rats, hamsters).

R01DE-05092-08 (OBM) BUTLER, WILLIAM T, UNIV OF ALABAMA AT BIRMINGHAM, UAB - UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Proteins involved in dentinogenesis.

R01DE-05129-09 (SSS) BOWEN, RAFAEL L, ADA HLTH FND PAFFENBARGER, AT NAT'L BUREAU OF STANDARDS , GAITHERSBURG, MD 20899 Improvement of preventive and restorative materials (monkeys).

P50DE-05130-07 (SSS) DWORKIN, SAMUEL F, DEPT OF ORAL MEDICINE SC-63 , UNIVERSITY OF WASHINGTON, SEATTLE, WA 98195 Dental/orofacial pain--Mechanisms behavior and modulation.

P50DE-05130-07 0005 (SSS) DONG, WILLIE K. Dental/orofacial pain--Mechanisms behavior and modulation--Tooth evoked potentials in monkeys--Origins and pain correlatae.

P50DE-05130-07 0003 (SSS) CHEN, ANDREW C N. Dental/orofacial pain--Mechanisms behavior and modulation--Acute pain in research and clinical settings (human).

P50DE-05130-07 0007 (SSS) CHAPMAN, RICHARD C. Dental/orofacial pain--Mechanisms behavior and modulation--Electrical brain activity and orofacial pain in man.

P50DE-05139-09 (DSR) BURMEISTER, JOHN A, VIRGINIA COMMONWEALTH UNIV, BOX 566, MCV STATION, RICHMOND, VA 23298 Clinical research center for periodontal disease.

P50DE-05139-09 0001 (DSR) RANNEY, RICHARD R. Clinical research center for periodontal disease--Microbiology (human)

P50DE-05139-09 0002 (DSR) RANNEY, RICHARD R. Clinical research center for periodontal disease--Immunological investigations (human).

P50DE-05139-09 0003 (DSR) RANNEY, RICHARD R. Clinical research center for periodontal disease--Human genetics section.

R01DE-05159-06 (OBM) BYERS, MARGARET R, DEPT OF ANESTHESIOLOGY RH-10 , UNIVERSITY OF WASHINGTON, SEATTLE, WA 98195 Distribution and ultrastructure of dental innervation (mammals).

R01DE-05180-08 (OBM) DANEO-MOORE, LOLITA, TEMPLE UNIV SCHOOL OF MED, DEPT OF MICROBIOLOGY & IMMUNOL, PHILADELPHIA, PA 19140 Regulation of surface synthesis in Streptococcus mutans.

R01DE-05190-07 (OBM) MACKENZIE, IAN C, DOWS INST FOR DENTAL RESEARCH, THE UNIVERSITY OF IOWA, IOWA CITY, IA 52242 Factors determining variation in adult oral mucosa (mice, rabbits).

R01DE-05215-08 (OBM) PROFFIT, WILLIAM R, U. OF NO. CAROLINA/CHAPEL HILL, CHAPEL HILL, NC 27514 Influences on stability following orthognathic surgerya (human).

R01DE-05232-08 (OBM) CARLSON, DAVID S, UNIVERSITY OF MICHIGAN, 1024 KELLOGG BUILDING, ANN ARBOR, MI 48109 Musculoskeletal adaptation to increased midfacial height (monkeys).

PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R01DE-05249-07 (OBM) WATSON, EILEEN L, DEPT OF ORAL BIOLOGY SB-22, UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON 98195 Salivary secretion - role of calcium (mice).

R01DE-05251-07 (OBM) KELLER, PATRICIA J, UNIVERSITY OF WASHINGTON, DEPT OF ORAL BIOLOGY SB-22 , SEATTLE, WASH 98195 Salivary gland secretory mechanisms (rats).

R01DE-05253-07 (OBM) KASHKET, SHELBY, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MASS 02115 Measurements of enamel permeability as related to caries (human).

R01DE-05255-07 (OBM) SAKAMOTO, SEIZABURO, HARVARD SCHOOL OF DENTAL MED., 188 LONGWOOD AVENUE, BOSTON, MA 02115 Regulation of collagenase and bone resorption (mice, chick embryo).

R01DE-05262-07 (OBM) ANDERSON, HARRISON C, UNIV OF KANSAS MEDICAL CENTER, RAINBOW BLVD AT 39TH, KANSAS CITY, KS 66103 Mineralization in oral biology (mice, rats).

R01DE-05289-08 (OBM) BAWDEN, JAMES W, DENTAL RESEARCH CENTER 210-H , UNIV OF NORTH CAROLINA, CHAPEL HILL, NC 27514 Uptake and binding by early enamel matrix (rats).

R01DE-05323-05 (OBM) EISENMANN, DALE R, 801 S PAULINA, BOX 6998, CHICAGO, IL 60680 Calcium ion interactions in developing dental tissues (rats).

R01DE-05334-06 (OBM) GOODSON, JO M, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Periodontal therapy by controlled local drug delivery (human).

R01DE-05354-09 (SSS) CHOW, LAURENCE C, AMER DENTAL ASSOC HLTH FDN, NATIONAL BUREAU OF STANDARDS , GAITHERSBURG, MD 20899 Prevention of dental caries.

R01DE-05369-08 (NLS) LEVINE, JON D, UNIVERSITY OF CALIFORNIA, DEPT OF MEDICINE U-426, SAN FRANCISCO, CALIF 94143 Factors affecting dental postoperative pain (human).

R01DE-05393-07 (OBM) MACKENZIE, IAN C, UNIVERSITY OF IOWA, ROOM N422A DENTAL SCI BLDG, IOWA CITY, IOWA 52242 Stem cells in oral mucosa (mice).

R01DE-05396-06 (OBM) NANDA, RAVINDRA, UNIVERSITY OF CONNECTICUT, SCHOOL OF DENTAL MEDICINE, FARMINGTON, CONN 06032 Craniofacial adaptations after total maxillary osteotomy (monkeys).

R01DE-05404-08 (NLS) DOSTROVSKY, JONATHAN O, DEPARTMENT OF PHYSIOLOGY, UNIVERSITY OF TORONTO, TORONTO ONTARIO, CANADA Dental pain--Studies on trigeminal nucleus caudalis (cats).

R01DE-05413-07 (GMB) TEITELBAUM, STEVEN L, JEWISH HOSP AT WASHINGTON UNIV, 216 SOUTH KINGSHIGHWAY, ST LOUIS, MO 63110 Bone resorption in periodontal disease (human, mice).

R01DE-05429-07 (OBM) CLARK, WILLIAM B, UNIVERSITY OF FLORIDA, BOX J-424, JHMHC, GAINESVILLE, FLA 32610 Adherence of periodontal disease-associated bacteria.

R01DE-05460-06 (OBM) PASK, JOSEPH A, UNIVERSITY OF CALIFORNIA, DEPT OF MATERIALS SCI MIN ENGR, BERKELEY, CALIF 94720 Bonding of dental porcelain to non-precious alloys.

R01DE-05476-06 (BMP) GOODMAN, MURRAY, DEPT OF CHEMISTRY, B-014, , UNIV OF CALIFORNIA, SAN DIEGO , LA JOLLA, CA 92093 Novel peptide derived sweeteners.

R01DE-05494-07 (OBM) PABST, MICHAEL J, NATL JEWISH CTR FOR IMMUNOLOGY, 1400 JACKSON STREET, DENVER, COLO 80206-1997 Activation of macrophages in periodontal disease (mice).

R01DE-05497-05 (BBM) REISINE, SUSAN T, UNIV OF CONNECTICUT HLTH CTR , DEPT OF BEHAVIORIAL SCIS, FARMINGTON, CONN 06032 Dental disease and work loss (human).

R01DE-05501-05 (OBM) HERZBERG, MARK C, UNIVERSITY OF MINNESOTA, 515 DELAWARE ST S E, MINNEAPOLIS, MINN 55455 Platelet-Streptococcal interactions in endocarditis (human, rabbits).

R01DE-05550-06 (OBM) GREENE, ROBERT M, JEFFERSON MEDICAL COLLEGE, DEPARTMENT OF ANATOMY, PHILADELPHIA, PA 19107 Differentiation during craniofacial embryogenesis (mice).

R01DE-05558-06 (OBM) MILLER, ARTHUR J, UNIVERSITY OF CALIFORNIA, 747 MEDICAL SCIENCES BLDG., SAN FRANCISCO, CALIF 94143 Sensory alterations of craniofacial form (monkeys).

R01DE-05563-06 (SSS) SCHNITMAN, PAUL A, HARVARD SCH OF DENTAL MEDICINE, 188 LONGWOOD AVENUE, BOSTON, MASS 02115 The blade implant--Clinical efficacy and safety (human).

R01DE-05586-06 (OBM) GARANT, PHILIAS R, S U N Y - AT STONY BROOK, ORAL BIOLOGY & PATHOLOGY DEPT , STONY BROOK, N Y 11794 Cell surface studies of the enamel organ (mice).

R01DE-05605-06 (OBM) KIM, SYNGCUK, COLUMBIA UNIVERSITY, 630 W 168TH ST, NEW YORK, N Y 10032 The humoral regulation of pulp circulation (rats, dogs).

R01DE-05606-06 (BM) FIVES-TAYLOR, PAULA M, UNIVERSITY OF VERMONT, GIVEN MEDICAL BUILDING, BURLINGTON, VT 05405 Fimbriae of S. sanguis and their role in adhesion (mice, rabbits).

R01DE-05622-05 (BBM) SADOWSKY, DONALD, RCOM 3N34, JACOBI HOSPITAL, BRONX, N Y 10461 Rx for dental patients at risk for endocarditis (dentists).

R01DE-05626-06 (OBM) SCHENKEIN, HARVEY A, MEDICAL COLLEGE OF VIRGINIA , BOX 566 MCV STATION, RICHMOND, VA 23298 Role of complement in periodontal disease.

R01DE-05628-07 (NTN) CERKLEWSKI, FLORIAN L, OREGON STATE UNIVERSITY, COLLEGE OF HOME ECONOMICS, CORVALLIS, OR 97331-5103 Interaction between fluoride and other dietary minerals (rats).

R01DE-05630-06 (CBY) ERICKSON, CAROL A, UNIVERSITY OF CALIFORNIA, DEPARTMENT OF ZOOLOGY, DAVIS, CA 95616 Matrix and cell surface in neural crest morphogenesis (mice).

R01DE-05632-06 (OBM) CUTLER, LESLIE S, UNIV OF CONNECTICUT HLTH CTR , SCHOOL OF DENTAL MEDICINE, FARMINGTON, CONN 06032 Development of salivary gland secretory function (rats).

R01DE-05640-06 (OBM) HAMMOND, BENJAMIN F, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Cytotoxicity of periodontopathic bacteria (mice, rabbits).

R01DE-05666-06 (OBM) SLOMIANY, BRONISLAW L, DEPT OF MED - N Y MED COLLEGE, MUNGER PAVILION, VALHALLA, NY 10595 Biochemistry of salivary lipids (rats, human).

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PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

R01DE-05672-04 (OBM) OPPENHEIM, FRANK G, BOSTON UNIV MEDICAL CTR, 100 E NEWTON STREET/ROOM G03 , BOSTON, MASS 02118 Anionic salivary proteins in dental integuments (human, Macaca)

R01DE-05690-05 (OBM) LEBLOND, CHARLES P, MCGILL UNIVERSITY, 3640 UNIVERSITY STREET, MONTREAL QUEBEC CANADA H3A 2B2 Localization of the procollagens in dental tissues (rats, mice, rabbits)

R01DE-05696-06 (OBM) STINSON, MURRAY W, S U N Y - AT BUFFALO, DEPARTMENT OF MICROBIOLOGY, BUFFALO, N Y 14214 Streptococcus mutans interaction with animal tissue (human, rabbits).

R01DE-05728-05 (OBM) BRADLEY, ROBERT M, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Role of chemoreceptors in craniofacial function (lambs).

R01DE-05738-06 (OBM) CROMPTON, ALFRED W, HARVARD UNIVERSITY, MUSEUM OF COMPARATIVE ZOOLOGY , CAMBRIDGE, MASS 02138 Mastication, food transport, and swallowing in primates (cats, monkeys).

R01DE-05744-05 (BEM) KIYAK, H ASUMAN, UNIVERSITY OF WASHINGTON, DEPT ORAL & MAXILLOFACIAL SURG, SEATTLE, WA 98195 Patient support groups in oral surgery and orthodontics (human).

R01DE-05761-07 (OBM) STANFORD, JOHN W, AMERICAN DENTAL ASSN HLTH FDN, 211 EAST CHICAGO AVENUE, CHICAGO, ILL 60611 Improved dental instruments and materials.

R01DE-05764-07 (CP) RUBIN, RONALD P, VIRGINIA COMMONWEALTH UNIVERSI, BOX 613, MCV STATION, RICHMOND, VA 23298-001 Cellular pharmacology of salivary secretion (rats, ducks)

R01DE-05780-04 (OBM) DEUTSCH, DAN, HEBREW UNIVERSITY, HADASSAH SCHOOL OF DENTAL MED , JERUSALEM, ISRAEL Development and mineralization of enamel in teeth

R01DE-05793-05 (PBC) HELSETH, DONALD L, JR, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVE, CHICAGO, ILL 60611 Processing of procollagen to collagen (rabbit, chick embryo)

R01DE-05817-06 (OBM) BIRKEDAL-HANSEN, HENNING, UAB, SCHOOL OF DENTISTRY, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Cellular mechanisms of collagen breakdown (human, animals)

P01DE-05837-05 (SSS) MORRIS, HUGHLETT L, UNIVERSITY OF IOWA, DEPARTMENT OF OTOLARYNGOLOGY , IOWA CITY, IOWA 52242 Growth, surgical, and speech aspects of cleft palate

P01DE-05837-05 0001 (SSS) VAN DEMARK, D R. Growth, surgical, and speech aspects of cleft palate- Speech pathology (human)

P01DE-05837-05 0002 (SSS) KREMENAK, C R. Growth, surgical, and speech aspects of cleft palate--Maxillofacial growth (dogs).

P01DE-05837-05 0003 (SSS) MOON, J B. Growth, surgical, and speech aspects of cleft palate--Speech physiology (human)

P01DE-05837-05 0004 (SSS) BARDACH, J. Growth, surgical, and speech aspects of cleft palate--Cleft lip and palate surgery (human, animals)

P01DE-05837-05 0005 (SSS) RICHMAN, L C. Growth, surgical, and speech aspects of cleft palate--Psychoeducation project (human)

R01DE-05838-07 (CBY) TOOLE, BRYAN P, TUFTS UNIVERSITY, 136 HARRISON AVENUE, BOSTON, MA 02111 Morphogenetic role of glycosaminoglycans (chick embryo)

R01DE-05905-05 (OBM) HERRING, SUSAN W, UNIVERSITY OF ILLINOIS, 801 SOUTH PAULINA STREET, CHICAGO, ILL 60612 Neural organization of complex muscles (swine).

R01DE-05932-06 (OBM) BOYAN-SALYERS, BARBARA D, UNIVERSITY OF TEXAS, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 The role of lipoproteins in microbial calcification

R01DE-05937-06 (ORTH) BOYAN-SALYERS, BARBARA D, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Proteolipids and mineralization of bones and teeth (rabbits, rat, chicken).

R01DE-05966-05 (MBC) JACOBSON, GARY R, BOSTON UNIVERSITY, 2 CUMMINGTON ST., BOSTON, MA 02215 Mechanisms of sugar transport in streptococcus mutans

R01DE-05967-04 (OBM) OFFENBACHER, STEVEN, EMORY UNIV SCH OF DENTISTRY , 1462 CLIFTON ROAD N E, ATLANTA, GA 30322 Role of arachidonate metabolites in periodontitis.

R01DE-05980-03 (OBM) CRAIG, ROBERT G, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Stress analysis of mandibular partial dentures

R01DE-05990-03 (OBM) BRIDGES, RAYMOND B, UNIV OF KENTUCKY MED CTR, DEPARTMENT OF ORAL BIOLOGY, LEXINGTON, KY 40536 Periodontitis, leukocyte function and diabetic status (human).

R01DE-05996-05 (OBM) MARKS, SANDY C, JR, UNIV OF MASSACHUSETTS MEDICAL, 55 LAKE AVENUE NORTH, WORCESTER, MASS 01605 Alveolar bone metabolism during tooth eruption (dogs).

R01DE-06000-06 (OBM) JOHNSON, DORTHEA A, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Effect of parotid function on saliva and cells (rats)

R01DE-06007-04 (OBM) MILLER, SCOTT C, DIVISION OF RADIOBIOLOGY, UNIVERSITY OF UTAH, SALT LAKE CITY, UT 84112 Periodontal tissue changes during pregnancy-lactation (rats)

R01DE-06014-05 (OBM) SHENKER, BRUCE J, UNIVERSITY OF PENNSYLVANIA, 4010 LOCUST STREET, PHILADELPHIA, PA 19104 Bacteria and lymphocyte suppression in periodontitis (mice, rats).

R01DE-06027-05 (OBM) CAPRA, NORMAN F, UNIV OF MISSISSIPPI MED CTR , 2500 NORTH STATE STREET, JACKSON, MISS 39216 Kinesthetic mechanisms in the trigeminal system (cats)

R01DE-06028-03 (OBM) BIRKEDAL-HANSEN, HENNING, UNIV OF ALABAMA AT BIRMINGHAM, UAB SCHOOL OF DENTISTRY, BIRMINGHAM, ALA 35294 Keratinocyte neutral secretory proteases and inhibitors (rabbits, rats).

R01DE-06030-05 (OBM) LOESCHE, WALTER J, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Metronidazole therapy in periodontal disease (human)

R01DE-06065-06 (OBM) SCHNEIDER, GARY B, LOYOLA UNIVERSITY OF CHICAGO , 2160 SOUTH FIRST AVENUE, MAYWOOD, ILL 60153 The role of lymphoid cells in alveolar bone resorption (rats).

R01DE-06[illegible]-04 (EDC) CHUNG, CHIN S, UNIVERSITY OF HAWAII AT MANOA, 1960 EAST-WEST ROAD, HONOLULU, HAWAII 96822 A genetic study of cleft lip and cleft palate in Hawaii

R01DE-06070-04 (OBM) WALKER, CLAY B, UNIV OF FLORIDA, BOX J424, J. HILLIS MILLER HLTH CTR, GAINESVILLE, FLA 32610 Antibiotic susceptibilities of periodontal bacteria (human)

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

R01DE-06071-03 (MBC) ROSEN, BARRY P, UNIVERSITY OF MARYLAND, 660 W REDWOOD STREET, BALTIMORE, MD 21201 Calcium metabolism in Streptococcus mutans

R01DE-06082-04 (OBM) PERRY, DENNIS, NORTHWESTERN UNIV MEDICAL SCH, 303 E CHICAGO AVENUE, CHICAGO, ILL 60611 Genetic analysis of streptococcus mutans cariogenicity

R01DE-06085-04 (OBM) SLOTS, JORGEN, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Interaction of oral bacteria with periodontal tissues (human, mice, rabbits).

R01DE-06103-04 (OBM) KALDAHL, WAYNE B, UNMC COLLEGE OF DENTISTRY, 40TH & HOLDREGE, LINCOLN, NE 68583-0740 Evaluation of four modalities of periodontal therapy

R01DE-06105-04 (OBM) KATZ, SIMON, ORAL HLTH RESEARCH INSTITUTE , 415 LANSING STREET, INDIANAPOLIS, IND 46202 Using fluoride-chlorhexidine to prevent radiation caries (human).

R01DE-06112-06 (OBM) MERTZ-FAIRHURST, EVA J, MEDICAL COLLEGE OF GEORGIA, 1120 FIFTEENTH STREET, AUGUSTA, GA 30912 Filled sealant as a conservative restorative material (human).

R01DE-06113-06 (OBM) WHITFORD, GARY M, MEDICAL COLLEGE OF GEORGIA, DEPT OF ORAL BIOLOGY, AUGUSTA, GA 30912 Determinants of fluoride in the oral environment (dogs, rats).

R01DE-06115-03 (OBM) DOWD, FRANK J, CREIGHTON UNIV MEDICAL SCHOOL, CALIFORNIA @ 24TH STREET, OMAHA, NEBR 68178 Protein phosphorylation in parotid gland secretion (rabbits).

R01DE-06127-04 (OBM) MARQUIS, ROBERT E, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVENUE, ROCHESTER, N Y 14642 Acid-base physiology of oral streptococci.

R01DE-06153-05 (OBM) SMITH, DANIEL J, DEPARTMENT OF IMMUNOLOGY, FORSYTH DENTAL CENTER, BOSTON, MASS 02115 Antibody to glucosyltransferase in adults and children

R01DE-06154-04 (BEM) ALBINO, JUDITH E, DEPARTMENT OF BEHAVIORAL SCIS, 246C FARBER HALL, BUFFALO, N Y 14214 Effects of orthodontia on psychosocial functioning (human).

R01DE-06165-04 (OBM) CHO, MOON I, SCHOOL OF DENTAL MEDICINE, SUNY AT STONY BROOK, STONY BROOK, N Y 11794 Cell biology of periodontal ligament fibroblasts.

R01DE-06185-03 (OBM) SCHNEYER, CHARLOTTE A, UNIV OF ALABAMA AT BIRMINGHAM, UAB - UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Sympathectomized salivary glands--Cystic fibrosis model (rats).

R01DE-06193-04 (NEUB) CHANDLER, SCOTT H, UNIVERSITY OF CALIFORNIA, 2854 SLICHTER HALL, LOS ANGELES, CA 90024 Brain stem mechanisms controlling rhythmical jaw movement (guinea pigs)

R01DE-06201-02 (OBM) TURNER, DEREK T, DENTAL RESEARCH CENTER 210-H , U OF N CAROLINA AT CHAPEL HILL, CHAPEL HILL, NC 27514 Water sorption of glassy dental polymers.

R01DE-06219-04 (BEM) DWORKIN, SAMUEL F, UNIVERSITY OF WASHINGTON, DEPARTMENT OF ORAL MEDICINE , SEATTLE, WASH 98195 Facial behavior related to acute dental pain (human).

R01DE-06231-04 (OBM) MC ARTHUR, WILLIAM P, UNIVERSITY OF FLORIDA, BOX J-424, GAINESVILLE, FLA 32610 Monoclonal antibody analysis of plaque microorganisms (mice, squirrel, monkeys) .

R01DE-06250-04 (OBM) BOWERS, GERALD M, UNIVERSITY OF MARYLAND, 666 WEST BALTIMORE STREET, BALTIMORE, MD 21201 Histologic evaluation of new attachments in humans.

R01DE-06300-04 (OBM) SPECTOR, MYRON, EMORY UNIVERSITY, 69 BUTLER STREET SE, ATLANTA, GA 30303 porous polyethylene and porous polysulfone tooth roots (monkeys).

R01DE-06373-04 (OBM) IZUTSU, KENNETH T, DEPT. OF ORAL BIOLOGY, SB-22 , UNIVERSITY OF WASHINGTON, SEATTLE, WASH 98195 Saliva formation studied by microprobe analysis (rats).

R01DE-06374-05 (OBM) FAIRHURST, CARL W, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Semi- and nonprecious metal-procelain systems.

R01DE-06409-04 (OBM) GETTLEMAN, LAWRENCE, GULF SOUTH RESEARCH INSTITUTE, P.O. BOX 26518, NEW ORLEANS, LA 70186 Evaluation of CPE in maxillofacial prostheses (rabbits, rats, hamsters, human) .

R01DE-06417-03 (BEM) WEINSTEIN, PHILIP, COMMUNITY DENTISTRY SM-35, B-509 HEALTH SCIENCES CENTER , SEATTLE, WASH 98195 Factors influencing long-term oral self-care (human).

R01DE-06424-02 (OBM) ALVAREZ, JOSE O, UNIVERSITY OF ALABAMA, BIRMINGHAM, AL 35294 Development of oral tissues after early undernutrition (human).

R01DE-06425-03 (OBM) SLAVKIN, HAROLD C, UNIV OF SOUTHERN CALIFORNIA , UNIVERSITY PARK MC 0191, LOS ANGELES, CA 90089-0191 Nutritional studies of tooth development in vitro (mice, rats).

R01DE-06427-05 (OBM) PASHLEY, DAVID H, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912 Permeability characteristics of dentin (dogs, human).

R01DE-06429-05 (OBM) WHITFORD, GARY M, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912-0059 Influence of acid-base status on fluoride metabolism (mammals).

R01DE-06436-05 (OBM) VAN DYKE, THOMAS E, EMORY UNIVERSITY, 1462 CLIFTON RD, N E, ATLANTA, GA 30322 Periodontosis--Characterization of the neutrophil defect (human).

R01DE-06437-04 (EDC) HUNT, RONALD J, UNIVERSITY OF IOWA, DEPT OF PREVENTIVE & COMM DENT, IOWA CITY, IA 52242 Incidence and prevalence of root caries in the elderly (human).

R01DE-06514-05 (SRC) GENCO, ROBERT J, SUNY AT BUFFALO, 135 FOSTER HALL, BUFFALO, N Y 14214 Oral diseases and diabetes in the Gila River Indian Community.

R01DE-06519-02 (OBM) BOYER, DANIEL B, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IA 52242 Dental amalgams contribution to blood mercury levels.

R01DE-06521-03 (BEM) CROOG, SYDNEY H, U OF CONNECTICUT HLTH CTR, DEPT OF BEHAVIORAL SCIENCES , FARMINGTON, CONN 06032 Behavioral response enhancement after periodontal surgery (human).

R23DE-06524-03 (OBM) ALLEN, CARL M, OHIO STATE UNIVERSITY, 305 WEST 12TH AVE, COLUMBUS, OHIO 43210 The pathogenesis of chronic oral candidiasis in the rat.

** SEE GUIDE OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

R01DE-06533-04 (OBM) GOLUB, ELLIS E, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Vesicles and endochondral bone formation (chickens).

R01DE-06539-04 (OBM) OKABE, TORU, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVE., DALLAS, TX 75246 Breakdown of amalgam margins--A microstructural study.

R01DE-06541-04 (OBM) MAGUIRE, JAMES H, UNIV OF NORTH CAROLINA AT CHAP. SCHOOL OF PHARMACY, CHAPEL HILL, N C 27514 Gingival overgrowth--Role of phenytoin metabolites (cats, dogs, rats, human).

R23DE-06546-03 (BEM) LOMBARDO, THOMAS W, DEPARTMENT OF PSYCHOLOGY, UNIVERSITY OF MISSISSIPPI, UNIVERSITY, MISS 38677 Assessment and treatment of mandibular pain-dysfunction (human).

R01DE-06551-03 (OBM) COGEN, RONALD B, UNIV OF ALABAMA AT BIRMINGHAM, UAB - UNIVERSITY STATION, BIRMINGHAM, ALABAMA 35294 Stress, host factors, and acute necrotizing gingivitis (human).

R01DE-06552-05 (OBM) FOX, JEFFREY L, UNIVERSITY OF UTAH, COLLEGE OF PHARMACY, SALT LAKE CITY, UTAH 84112 Hydroxyapatite remineralization--The role of fluoride.

R01DE-06553-04 (OBM) CHEPENIK, KENNETH P, JEFFERSON MEDICAL COLLEGE, 1020 LOCUST STREET, PHILADELPHIA, PA 19107 Arachidonate metabolism and orofacial development (mice).

R23DE-06562-03 (HSR) GREMBOWSKI, DAVID E, UNIVERSITY OF WASHINGTON, DEPT / COMMUNITY DENTISTRY, SEATTLE, WASH 98195 Fluoridation effects on dental demand (human).

R01DE-06569-05 (OBM) HIGUCHI, WILLIAM I, UNIVERSITY OF UTAH, DEPT OF PHARMACEUTICS, SALT LAKE CITY, UTAH 84112 Quantitation of enamel demineralization mechanisms.

R01DE-06570-05 (BEM) PERTSCHUK, MICHAEL J, THE GRADUATE HOSPITAL, ONE GRADUATE PLAZA, PHILADELPHIA, PA 19146 Psychosocial evaluation of craniofacial patients.

R01DE-06585-04 (OBM) TURNER, DENNIS F, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MICH 48109 Peripheral mechanisms of dental pain and dentinogenesis (rats, monkeys).

R23DE-06618-03 (OBM) WESTBURY, JOHN R, UNIVERSITY OF NORTH CAROLINA , DENTAL RES CENTER 210-H, CHAPEL HILL, N C 27514 Properties of motor units in human mandibular muscles.

R01DE-06622-03 (OBM) HUSSAIN, M ZAMIRUL, UNIVERSITY OF CALIFORNIA, DEPT OF STOMATOLOGY, SAN FRANCISCO, CA 94143 Molecular mechanisms of periodontal disease.

R01DE-06634-03 (OBM) FURNAS, DAVID W, UNIVERSITY OF CALIFORNIA, 101 CITY DRIVE SOUTH, ORANGE, CALIF 92668 Cyclosporine in craniofacial composite tissue allografts (human, mammals).

R01DE-06638-03 (OBM) KAPUR, KRISHAN K, VA MEDICAL CENTER, 16111 PLUMMER STREET, SEPULVEDA, CA 91343 Complete denture service psychophysiological criteria.

R01DE-06669-04 (ALY) CURTISS, ROY, III, WASHINGTON UNIVERSITY, LINDELL & SKINKER BLVDS, ST LOUIS, MO 63130 Antigen delivery system design for host defense analysis (rodent, human, rabbit).

R01DE-06671-04 (OBM) HASSELL, THOMAS M, UNIVERSITY OF MARYLAND, 666 WEST BALTIMORE STREET, BALTIMORE, MD 20201 Phenytoin--Pathogenesis of gingival overgrowth (cats).

R01DE-06672-04 (OBM) ANUSAVICE, KENNETH J, UNIVERSITY OF FLORDIA, JHMHC BOX J-446, GAINESVILLE, FLA 32610 Optimization of metal-ceramic restoration design.

R01DE-06673-04 (MBC) CURTISS, ROY, III, WASHINGTON UNIVERSITY, DEPT OF BIOLOGY, ST LOUIS, MO 63130 Genetic and biochemical bases for S mutans virulence (rabbits).

R01DE-06682-04 (NEUB) BEITZ, ALVIN J, UNIVERSITY OF MINNESOTA, 295 ANSCI/VET MED BLDG, ST PAUL, MN 55108 CNS modulation of orofacial input to the neucleus of V (rats, mice).

R01DE-06717-02 (OBM) BISHOP, BEVERLY, SUNY AT BUFFALO, 16 SHERMAN HALL, BUFFALO, N Y 14214 Jaw movements and masseter activity during chewing (human).

R01DE-06720-03 (OBM) LANG, BRIEN R, UNIVERSITY OF MICHIGAN, 1011 NORTH UNIVERSITY AVENUE , ANN ARBOR, MICH 48109 Resistance of various restorative materials.

R01DE-06725-03 (OBM) FALLS, WILLIAM M, MICHIGAN STATE UNIVERSITY, B514 WEST FEE HALL, EAST LANSING, MI 48824-1316 Anatomical studies of sensory trigeminal nuclei (rats).

R01DE-06730-03 (OBM) BRUNETTE, DONALD M, UNIVERSITY OF BRITISH COLUMBIA, 2199 WESBROOK MALL, VANCOUVER, B C V6T 1Z7 Dental implant surfaces impeding epithelial migration (rats).

R23DE-06739-03 (OBM) PRINCE, CHARLES W, UNIV OF ALABAMA AT BIRMINGHAM, SCHOOL OF DENTISTRY, BIRMINGHAM, AL 35294 Biochemical studies of mineralized tissue proteoglycans (rabbits, rats).

R01DE-06740-03 (IMB) LEVINE, MARTIN, UNIV OF OKLAHOMA, P O BOX 26901, OKLAHOMA CITY, OK 73190 Human antibody responsiveness and dental caries.

R01DE-06744-03 (OBM) GABRIEL, OTHMAR, GEORGETOWN UNIVERSITY, 3900 RESERVOIR ROAD N W, WASHINGTON, D C 20007 Adherence of oral bacteria to cell surface components (humans, rabbits).

R01DE-06746-03 (OBM) RUSSELL, MICHAEL W, UNIV OF ALABAMA AT BIRMINGHAM, UAB - INST OF DENTAL RESEARCH , BIRMINGHAM, ALA 35294 Protein antigens of Strep mutans in caries immunity (mice, rabbits).

R01DE-06748-03 (OBM) CHIU, TEH-HSING, UNIVERSITY OF PITTSBURGH, 659 SALK HALL, PITTSBURGH, PA 15261 Synthesis and function of polymers in oral bacteria (rats).

R23DE-06757-03 (OBM) MIYASAKI, KENNETH T, S U N Y AT BUFFALO, 3435 MAIN STREET, BUFFALO, NY 14214 Myeloperoxidase selective killing of oral bacteria (rabbits).

R01DE-06761-03 (OBM) FEAGIN, FREDERICK F, UNIV OF ALABAMA AT BIRMINGHAM, UAB - UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Prevention of surface zone limited caries of enamel.

R01DE-06762-03 (OBM) DOUGLAS, WILLIAM H, UNIVERSITY OF MINNESOTA, SCHOOL OF DENTISTRY, MINNEAPOLIS, MINN 55455 Development of an advanced artificial oral environment.

R01DE-06765-03 (OBM) BAWDEN, JAMES W, U OF N CAROLINA AT CHAPEL HILL, DENTAL RESEARCH CENTER 210-H , CHAPEL HILL, N C 27514 Ion transport through the maturation stage enamel organ (cows, rats).

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R23DE-06766-03 (OBM) AUKHIL, IKRAMUDDIN, U OF N CAROLINA AT CHAPEL HILL, DEPT OF PERIODONTICS, CHAPEL HILL, N C 27514 Surgical regeneration of the periodontium (dogs).

R01DE-06801-04 (OBM) CURTISS, ROY, III, WASHINGTON UNIVERSITY, LINDELL & SKINKER BLVDS, ST LOUIS, MO 63130 Mutants to study S mutans pathogenicity (mammals).

R23DE-06832-03 (OBM) KIEL, ROBERT A, UNIV OF CONNECTICUT HLTH CTR , 263 FARMINGTON AVENUE, FARMINGTON, CONNECTICUT 06032 Experimental diabetes and periodontitis (monkeys).

R01DE-06848-03 (BCE) COFFEY, JAMES C, JR, UNIVERSITY OF NORTH CAROLINA , DENTAL RESEARCH CENTER, CHAPEL HILL, N C 27514 Androgen control of salivary gland EGF in cleft palate (mice).

R01DE-06852-03 (OBM) ZEICHNER-DAVID, MARGARITA, UNIV OF SOUTHERN CALIFORNIA , UNIVERSITY PARK MC-0191, LOS ANGELES, CALIF 90089-0191 Isolation and characterization of enamelin gene products (rabbits, guinea pigs).

R01DE-06856-03 (OBM) GAY, THOMAS J, UNIVERSITY OF CONNECTICUT, DEPT OF ORAL BIOLOGY, FARMINGTON, CT 06032 Arthrophonometry of the temporomandibular joint (human).

R01DE-06859-02 (OBM) VAN BUSKIRK, WILLIAM C, TULANE UNIVERSITY, NEW ORLEANS, LA 70118 Biomechanics of the mandible (human).

R01DE-06860-03 (OBM) RUTHERFORD, R BRUCE, UNIVERSITY OF CONNECTICUT, 263 FARMINGTON AVE, FARMINGTON, CT 06032 Complement monocyte interactions in periodontal disease.

R01DE-06864-02 (OBM) HABER, JEROME, TUFTS UNIVERSITY, ONE KNEELAND STREET, BOSTON, MASS 02111 Genetics of antibodies to periodontal pathogens (mice).

R23DE-06865-03 (BEM) CIPES, MONICA H, SCHOOL OF DENTAL MEDICINE, UNIV OF CONNECTICUT HLTH CTR , FARMINGTON, CT 06032 Child desensitization for dental visits (human).

R01DE-06866-03 (PTHB) WILLIAMS, MARSHALL V, OHIO STATE UNIVERSITY, 333 WEST TENTH AVENUE, COLUMBUS, OHIO 43210 Deoxyuridine metabolism in herpes labialis (rabbit, human).

R01DE-06869-04 (SSS) ARNOLD, ROLAND R, EMORY UNIVERSITY, 1462 CLIFTON ROAD N E, ATLANTA, GA 30322 Bactericidal activity of lactoferrin on oral flora (human, bacteria).

R23DE-06874-03 (OBM) ELLIS, EDWARD, III, UNIVERSITY OF MICHIGAN, DEPT OF ORAL SURGERY, ANN ARBOR, MICH 48109 Effect of intermaxillary fixation on skeletal relapse (monkeys).

R01DE-06880-03 (OBM) CHEN, PRISCILLA B, S U N Y AT BUFFALO, FOSTER HALL, 3435 MAIN STREET , BUFFALO, N Y 14214 Host defense mechanism to oral bacteria (mice, rabbits, human).

R01DE-06881-04 (OBM) VIG, PETER S, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY AVENUE, ANN ARBOR, MI 48109 Oral facial morphology and breathing--Quantitative studies (human).

R01DE-06886-03 (OBM) SYFTESTAD, GLENN T, CASE WESTERN RESERVE UNIV, DEPT OF BIOLOGY, CLEVELAND, OH 44106 Bioactive factors from demineralized adult bone (chick embryo).

R01DE-06891-01 (OBM) OSDOBY, PHILIP A, WASHINGTON UNIVERSITY, 4559 SCOTT AVE, ST LOUIS, MO 63110 Cellular basis of craniofacial bone disorders (chicks, mice).

R01DE-06892-03 (OBM) DENNY, PAUL C, UNIV OF SOUTHERN CALIFORNIA , SCHOOL OF DENTISTRY, LOS ANGELES, CALIF 90089-0641 Salivary mucin synthesis, processing and secretion (mice, rats, rabbits).

R01DE-06893-03 (OBM) ALAM, SYED Q LSU MEDICAL CENTER, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Effects of beta-carotene on salivary gland tumors (rats).

R01DE-06894-02 (NLS) QUOCK, RAYMOND M, MARQUETTE UNIVERSITY, 604 NORTH 16TH STREET, MILWAUKEE, WI 53233 Nitrous oxide and endorphins (rats).

R23DE-06896-03 (OBM) MASTE .S, PATRICIA M, SCRIPPS INST OF OCEANOGRAPHY , A-012, LA JOLLA, CALIF 92093 Nonenzymatic reactions in human dentin proteins.

R01DE-06900-02 (VR) ELLNER, JERROLD J, UNIV HOSPITALS OF CLEVELAND , 2074 ABINGTON ROAD, CLEVELAND, OH 44106 Immunology of oral herpes simplex viral infections (human).

R01DE-06904-03 (OBM) SENSEMAN, DAVID M, DIVISION OF LIFE SCIENCES, UNIV OF TEXAS AT SAN ANTONIO , SAN ANTONIO, TX 78285 Neuroeffector transmission in a simple salivary gland (mice, mollusks).

R01DE-06913-04 (OBM) YU, JIA-HUFY, VETERANS ADMIN MEDICAL CENTER, 50 IRVING STREET, N W, WASHINGTON, D C 20422 Modulating role of prostaglandins in salivary glands (rats).

R44DE-06932-03 (SRC) KUNG, ROBERT T, ABIOMED, 33 CHERRY HILL DRIVE, DANVERS, MA 01923 A periodontal temperature probe (human).

R01DE-06943-03 (NEUB) LUSCHEI, ERICH S, UNIVERSITY OF IOWA, SPEECH PATHOLOGY & AUDIOLOGY , IOWA CITY, IOWA 52242 Central projections of MES V afferents (cats).

R01DE-06945-04 (OBM) MURRAY, PATRICIA A, UNIVERSITY OF CALIFORNIA, PERIODONTOLOGY HSW-604, SAN FRANCISCO, CALIF 94143 Characterization of microbial lectins.

P01DE-06946-03 (SSS) LASKIN, DANIEL M, MEDICAL COLLEGE OF VIRGINIA , BOX 566 MCV STATION, RICHMOND, VA 23298 Pathophysiology of MPD and other facial pain syndromes.

P01DE-06946-03 0001 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Long-term effects of therapy of TMJ in private practice.

P01DE-06946-03 0002 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Transcutaneous electrical nerve stimulation--Treatment of MPD syndrome (human).

P01DE-06946-03 0003 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Physical therapy for MDP syndrome.

P01DE-06946-03 0004 (SSS) KAUGERS, GEORGE. Pathophysiology of MPD and other facial pain syndromes--Xeroradiographic tomography of the temporomandibular joint.

P01DE-06946-03 0005 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--Diazepam, chlorazepate, carisprodol in MPD syndrome chemotherapy (human).

P01DE-06946-03 0006 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes--General population survey for TMJ clicking.

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

P01DE-06945-03 0007 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes. Incidence of TMJ clicking in preultrodontic patients.

P01DE-06946-03 0008 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes. TMJ symptoms in pre- and post-orthognathic surgery patients.

P01DE-06946-03 0009 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes. Surgical denervation and the structures of the TMJ.

P01DE-06946-03 0010 (SSS) PAGE, DENNIS. Pathophysiology of MPD and other facial pain syndromes. Tendon in normal and fatigued states. (rat, human)

P01DE-06946-03 0011 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes. Effects of altered position on articular surface of mandibular condyle. (rabbits)

P01DE-06946-03 0012 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes. Effect of fatigue on pH and pO2 in rabbit masseter.

P01DE-06946-03 0013 (SSS) HARKINS, STEPHEN. Pathophysiology of MPD and other facial pain syndromes. Psychophysiologic response of MPD patients to pain.

P01DE-06946-03 0014 (SSS) AUERBACH, STEPHEN. Pathophysiology of MPD and other facial pain syndromes. Psychosocial factors in the response of MPD patients to therapy. (human)

P01DE-06946-03 0015 (SSS) LASKIN, DANIEL M. Pathophysiology of MPD and other facial pain syndromes. Healing of surgical defects in retrodiscal tissue. (rabbits)

R01DE-06949-02 (OBM) NOWOTNY, ALOIS H, UNIVERSITY OF PENNSYLVANIA, 4010 LOCUST STREET, PHILADELPHIA, PA 19104. In vitro bone resorption by products of oral bacteria. (animals)

R01DE-06950-01 (BEM) MILGROM, PETER M, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WA 98195. Epidemiology of dental fear. (human)

R01DE-06951-03 (OBM) FEAGIN, FREDERICK F, UNIV OF ALABAMA AT BIRMINGHAM, UAB - UNIVERSITY STATION, BIRMINGHAM, ALA 35294. Study of F actions on human root surface caries.

R01DE-06952-03 (OBM) CRENSHAW, MILES A, UNIVERSITY OF NORTH CAROLINA - DENTAL RESEARCH CENTER 210H, CHAPEL HILL, N C 27514. Enamel secretory matrix protease. (cattle, rats)

R01DE-06953-03 (OBM) SVANBERG, GUNNAR K, UNIVERSITY OF MICHIGAN, 1011 N UNIVERSITY, ANN ARBOR, MICH 48109. Hydroxyproline levels in periodontal health and disease. (dogs)

R01DE-06954-02 (OBM) TRAUB, WOLFIE, WEIZMANN INSTITUTE OF SCIENCE, DEPT OF STRUCTURAL CHEMISTRY, REHOVOT 76100, ISRAEL. Structural studies of matrix proteins in teeth and bone.

R01DE-06955-03 (OBM) SUGRUE, STEPHEN P, HARVARD MEDICAL SCHOOL, 25 SHATTUCK STREET, BOSTON, MA 02215. Epidermal growth factor and tooth development. (mice)

R01DE-06957-03 (OBM) WARREN, RONALD W, U OF NO CAROLINA AT CHAPEL HIL, BRAUER HALL, [illegible] CHAPEL HILL, N C 27514. Nasal airway and respiratory mode in cleft palate. (human)

R01DE-06970-03 (OBM) TABAK, LAWRENCE A, SUNY AT BUFFALO, 213 FOSTER HALL, BUFFALO, N Y 14214. Regulation of mucin glycoprotein biosynthesis. (rats, rabbits)

R23DE-06974-01 (OBM) VIDMER, CHARLES G, EMORY UNIVERSITY SCH OF DENT, 146, CLIFTON RD N E, ATLANTA, GA 30322. Utilization of trigeminal evoked potentials in dentistry. (human)

F01DE-06977-03 (OBM) ULLIE, JOHN H, UNIVERSITY OF MICHIGAN, ANN ARBOR, MI 48109-0010. Oral mucosa in vitro. (mice, rats, guinea pigs)

K23DE-06982-03 (OBM) HINTON, ROBERT J, BAYLOR COLLEGE OF DENTISTRY, 3302 GASTON AVENUE, DALLAS, TEX 75246. Biomechanical influences on condylar cartilage growth. (rats)

R23DE-06987-02 (OBM) VAIDYANATHAN, JAYALAKSHMI, NEW YORK UNIV DENTAL CTR, 345 EAST 24TH STREET, NEW YORK, N Y 10010. Study of surfactant use in restorative materials.

R01DE-06988-02 (OBM) SNEAD, MALCOLM L, UNIV OF SOUTHERN CALIFORNIA, ANDRUS GERONTOLOGY CTR, RM 323, LOS ANGELES, CA 90089-0191. Determination and expression of amelogenin gene products. (mice)

R01DE-06989-02 (OBM) VAN DYKE, THOMAS E, EMORY UNIV SCH OF DENTISTRY, 1462 CLIFTON ROAD, NE, ATLANTA, GA 30322. Neutrophil function in periodontal disease. (human)

R01DE-06991-03 (OBM) DOWD, FRANK J, CREIGHTON UNIV MED SCHOOL, CALIFORNIA AT 24TH STREET, OMAHA, NE 68178. Plasma membranes and secretory granules in secretion. (rats, rabbits)

R01DE-06996-02 (OBM) SARKAR, NIKHIL K, LSU SCHOOL OF DENTISTRY, 1100 FLORIDA AVE, NEW ORLEANS, LA 70119. Biological molecules in the corrosion of dental alloys.

P50DE-07003-03 (SRC) BOWEN, WILLIAM H, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVENUE, ROCHESTER, N Y 14642. Rochester caries research center.

P50DE-07003-03 0001 (SRC) MARQUIS, ROBERT E. Rochester caries research center--Implantable ammonia-producing Streptococci. (rats)

P50DE-07003-03 0002 (SRC) ALLEN, PETER Z. Rochester caries research center--Immunochemical studies of actinomyces viscosus polysaccharides. (rats)

P50DE-07003-03 0003 (SRC) YASBIN, RONALD E. Rochester caries research center--Genetics of Streptococcus mutans.

P50DE-07003-03 0004 (SRC) FEATHERSTONE, JOHN D. Rochester caries research center--Salivary pellicle and dental caries. (human)

P50DE-07003-03 0005 (SRC) BOWEN, WILLIAM H. Rochester caries research center--Animal model for root surface caries and hyposalivation. (rats)

P50DE-07003-03 0006 (SRC) HANDELMAN, STANLEY L. Rochester caries research center--Hyposalivation, drug use and caries in the elderly.

P50DE-07003-03 0007 (SRC) MEYEROWITZ, CYRIL J. Rochester caries research center--Radiation induced xerostomia and caries parameters. (human)

P50DE-07003-03 0008 (SRC) LEVERETT, DENNIS H. Rochester caries research center--Identifying caries susceptible subjects.

R01DE-07007-03 (PTHB) SHILLITOE, EDWARD J, UNIV OF TEXAS HLTH SCIS CTR, P O BOX 20068, HOUSTON, TEX 77225. Multiple factors in the etiology of oral cancer. (mice)

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

R01DE-07008-04 (OBM) SHILLITOE, EDWARD J, DEPARTMENT OF MICROBIOLOGY, UNIV OF TEXAS HLTH SCI CTR, HOUSTON, TEX 77225. Herpes virus antibodies in patients with oral cancer.

P50DE-07009-03 (sRC) DE PAOLA, PAUL F, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MA 02115. Specialized caries research centers.

P50DE-07009-03 0001 (SRC) DE PAOLA, PAUL F. Specialized caries research centers--Clinical studies of root caries (human).

P50DE-07009-03 0002 (SRC) JORDAN, HAROLD V. Specialized caries research centers--Microbial etiology of root surface caries (human, rats).

P50DE-07009-03 0003 (SRC) HAY, DON I. Specialized caries research centers--Biochemical and microbiological aspects of root surface caries (human).

P50DE-07009-03 0004 (SRC) SMITH, DANIEL J. Specialized caries research centers--Immunological aspects of root caries (human).

P50DE-07009-03 0005 (SRC) MORENO, EDGARD C. Specialized caries research centers--Physical, chemical and microbiological aspects of root caries formation (human).

P50DE-07009-03 0007 (SRC) SKOBE, ZIEDONIS. Specialized caries research centers--Root caries--Natural lesions, models and in vitro systems (human, rats, hamsters).

P50DE-07009-03 0008 (SRC) DOGON, ISRAEL L. Specialized caries research centers--Dental materials (monkeys).

P50DE-07010-03 (SRC) WEFEL, JAMES S, UNIVERSITY OF IOWA, COLLEGE OF DENTISTRY, IOWA CITY, IA 52242. Specialized caries research center.

P50DE-07010-03 0001 (SRC) ETTINGER, RONALD L. Specialized caries research center--Prevention of caries in overdenture abutments (humans).

P50DE-07010-03 0002 (SRC) WEFEL, JAMES S. Specialized caries research center--Influence of plaque pH on mineralization.

P50DE-07010-03 0003 (SRC) JENSEN, MARK E. Specialized caries research center--Radiotelemetric evaluation of interproximal plaque pH (human).

P50DE-07010-03 0004 (SRC) CRALL, JAMES J. Specialized caries research center--Carbohydrates in root caries.

P50DE-07010-03 0005 (SRC) BUTLER, JOHN F. Specialized caries research center--Immunological investigation of root surface caries.

P50DE-07010-03 0006 (SRC) GRIGSBY, WILLIAM R. Specialized caries research center--Synthesis and testing of potential antiplaque agents.

P50DE-07010-03 0007 (SRC) CHALLACOMBE, STEPHEN J. Specialized caries research center--Bacterial interrelationships in an animal model (rats).

P50DE-07010-03 0008 (SRC) JENSON, MARK E. Specialized caries research center--Enrichment program.

P50DE-07010-03 0009 (SRC) SACKTAN, CHARLES. Specialized caries research center--Microbiological aspects of root surface caries.

P50DE-07010-03 0010 (SRC) JENSON, MARK E. Specialized caries research center--TSRLM project.

P50DE-07010-03 9000 (SRC) PETERSON, LARRY. Specialized caries research center--Biostatistics Core Unit.

R03DE-07014-02 (DSR) DANIEL, JON C, UNIVERSITY OF ILLINOIS, 801 SOUTH PAULINA, CHICAGO, ILL 60612. Human PDL cell attachment to root surfaces.

R01DE-07030-02 (OBM) RETIEF, DANIEL H, UNIV OF ALABAMA AT BIRMINGHAM, UAB - UNIVERSITY STATION, BIRMINGHAM, ALA 35294. Epidemiology, prevention and treatment of root caries (humans).

R01DE-07062-02 (EDC) SPENCE, M ANNE, UCLA/NPI 48-233, 760 WESTWOOD PLAZA, LOS ANGELES, CALIF 90024. Cleft lip and palate in Los Angeles Hispanics.

R23DE-07075-02 (OBM) THOMAS, HUW F, UNIV OF CONNECTICUT HLTH CTR, 263 FARMINGTON AVENUE, FARMINGTON, CT 06032. Tissue interactions in root development (mice).

R23DE-07076-01 (OBM) MANSSON-RAHEMTULLA, BRITTA, UNIV OF ALABAMA AT BIRMINGHAM, UAB - UNIVERSITY STATION, BIRMINGHAM, AL 35294. Human salivary peroxidase purification and properties (rabbits).

R23DE-07077-02 (OBM) MC DOWELL, THOMAS D, UNIVERSITY OF NEW MEXICO, SCHOOL OF MEDICINE, ALBUQUERQUE, N M 87131. Cell surface regulation in a cariogenic streptococci.

R23DE-07079-02 (OBM) FERRACANE, JACK L, BAYLOR COLLEGE OF DENTISTRY, 3302 GASTON AVENUE, DALLAS, TEX 75246. Effect of composition on fracture and creep of composite.

R01DE-07086-02 (OBM) DONOFF, R BRUCE, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MA 02114. Development of artificial oral mucosa (rabbits).

R01DE-07087-01 (OBM) NORMAN, RICHARD D, SOUTHERN ILLINOIS UNIVERSITY, SCHOOL OF DENTAL MEDICINE, ALTON, ILLINOIS 62002. Dental investment burnout and expansion as effected by microwave.

R01DE-07105-02 (CMS) WARREN, DONALD W, BRAUER HALL, 209H, U OF NORTH CAROLINA/CHAPEL HIL, CHAPEL HILL, N C 27514. Speech aerodynamics--Regulation/control in cleft palate (human).

R23DE-07113-03 (OBM) BAKER, RICHARD L, EMORY UNIVERSITY, 1462 CLIFTON RD N E, ATLANTA, GA 30322. Isolation and characterization of osteoclasts (chicks).

P50DE-07117-02 (SRC) CLARK, WILLIAM B, COLLEGE OF DENTISTRY, UNIVERSITY OF FLORIDA, GAINESVILLE, FL 32610. Periodontal disease research center.

P50DE-07117-02 0001 (SRC) LOW, SAMUEL B. Periodontal disease research center--Two monitored patient groups--Clinical component.

P50DE-07117-02 0002 (SRC) WALKER, CLAY B. Periodontal disease research center--Two monitored patient groups--Microbiology and pharmacology.

P50DE-07117-02 0003 (SRC) MC ARTHUR, WILLIAM P. Periodontal disease research center--Two monitored patient groups--Immunology.

P50DE-07117-02 0004 (SRC) CLARK, WILLIAM B. Periodontal disease research center--In vivo oral bacterial colonization--Microbiology and immunology (monkeys).

P50DE-07118-02 (SRC) TAICHMAN, NORTON S, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104. Periodontal diseases research center.

P50DE-07118-02 0001 (SRC) LINDHE, JAN T. Periodontal diseases research center--Clinical studies (children).

P50DE-07118-02 0002 (SRC) SLOTS, JORGEN. Periodontal diseases research center--Clinical microbiological studies (children).

P50DE-07118-02 0003 (SRC) LALLY, EDWARD. Periodontal diseases research center--Immunological and inflammatory functions in serum and oral fluids (children).

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number.

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

P50DE-07118-02 0004 (SRC) TARCHMAN, NORTON S. Periodontal diseases research center--PMN functional studies (children)

P50DE-07118-02 0005 (SRC) SVENKER, BRUCE J. Periodontal diseases research center--Studies on immunological dysfunction (children)

P50DE-07118-02 0006 (SRC) DIRIENZO, JOSEPH M. Periodontal diseases research center--Molecular probes to study Actinobacillus actinomycetemcomitans infection

P50DE-07118-02 9001 (SRC) GOLUB, ELLIS E. Periodontal diseases research center--Core--Data processing and statistics

R01DE-07120-03 (OBM) SHUR, BARRY D, M D ANDERSON HOSP & TUMOR INST, 6723 BERTNER AVENUE, BOX 117 , HOUSTON, TX 77030 Cell-substrate interaction in craniofacial morphogenesis

R01DE-07126-03 (MBC) COYKENDALL, ALAN L, UNIVERSITY OF CONNECTICUT, DEPARTMENT OF ORAL DIAGNOSIS , FARMINGTON, CONN 06032 Molecular taxonomy of non-hemolytic streptococci

R01DE-07128-03 (OBM) KORNMAN, KENNETH S, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Microbiology of ligature-induced periodontitis (monkeys)

R13DE-07154-01 (SRC) NORTON, LOUIS A, UCONN HEALTH CENTER, DEPARTMENT OF ORTHODONTICS, FARMINGTON, CONN 06032 Symposium on the biology of tooth movement

R01DE-07168-03 (BM) CIHLAR, RONALD L, GEORGETOWN UNIVERSITY, 3900 RESERVOIR RD, N W, WASHINGTON, D C 20007 Membrane function during germination of Candida albicans (mice)

R23DE-07182-02 (OBM) TEAFORD, MARK F, JOHNS HOPKINS UNIVERSITY, 725 N WOLFE ST, BALTIMORE, MD 21205 Tooth wear and tooth use in Cercopithecus aethiops (green monkeys)

R23DE-07190-02 (OBM) HANKEN, JAMES, UNIVERSITY OF COLORADO, CAMPUS BOX B-334, BOULDER, CO 80309 Craniofacial ossification during anuran metamorphosis

R01DE-07197-02 (EDC) DWORKIN, SAMUEL F, UNIVERSITY OF WASHINGTON, SCHOOL OF DENTISTRY, SEATTLE, WA 98195 Epidemiologic studies of temporomandibular disorders (human)

R01DE-07199-02 (OBM) DOYLE, RONALD J, UNIVERSITY OF LOUISVILLE, 319 ABRAHAM FLEXNER, LOUISVILLE, KY 40292 Adherence factors of oral streptococci (human)

R01DE-07201-01 (BIO) QUISSELL, DAVID O, UNIV OF COLORADO HLTH SCI CTR, 1300 S POTOMAC ST SUITE 110 , AURORA, CO 80012 Rat parotid exocytosis (also rabbits)

R01DE-07204-02 (OBM) SUZUKI, JON B, UNIV OF MARYLAND DENTAL SCHOOL, 666 W BALTIMORE STREET, BALTIMORE, MD 21201 Family studies of early onset periodontitis (human)

R01DE-07207-01 (OBM) BISWAS, DEBAJIT K, HARVARD SCHOOL OF DENTAL MED , 188 LONGWOOD AVENUE, BOSTON, MASS 02115 Molecular mechanism of oral carcinogenesis (hamsters)

R23DE-07208-02 (OBM) NICHOLS, FRANK C, UNIV OF CONNECTICUT HLTH CTR , 263 FARMINGTON AVENUE, FARMINGTON, CONN 06032 LPS-monocyte interactions in periodontal disease (guinea pigs)

R01DE-07216-01 (OBM) LEINFELDER, KARL F, SDB 49 , SCHOOL OF DENTISTRY , UNIV OF ALABAMA AT BIRMINGHAM , BIRMINGHAM, AL 35294 Clinical and laboratory study of Cu-base dental alloys (animals)

R01DE-07218-02 (OBM) HASTY, DAVID L, UNIV OF TENNESSEE, MEMPHIS, 875 MONROE AVE, MEMPHIS, TN 38163 Fibronectin-buccal epithelial cell interactions (human, mice, rabbits)

R01DE-07220-02 (OBM) GOLDBERG, VICTOR M, 2074 ABINGTON ROAD, CLEVELAND, OH 44106 Bioactive factors in skeletal repair (rabbits, rats)

R23DE-07225-02 (OBM) GREENBERG, GARY L, UNIV OF SOUTHERN CALIFORNIA , UNIV PARK, MC-0641, LOS ANGELES, CA 90089 Influence of mast cells on bone remodelling (mice)

R01DE-07227-01 (OBM) NISENGARD, RUSSELL J, SUNY AT BUFFALO, 435 MAIN STREET, BUFFALO, N Y 14214 Host-bacterial interactions in periodontal disease (Cynomolgus monkeys)

R01DE-07228-01 (OBM) REUSCH, VICTOR M, JR, DEPT OF BIOLOGICAL SCIENCES , UNIVERSITY OF DENVER, DENVER, CO 80208 Cell wall-associated proteins of Streptococcus sanguis

R23DE-07233-02 (OBM) RUDNEY, JOEL D, UNIVERSITY OF MINNESOTA, 515 DELAWARE STREET, S E, MINNEAPOLIS, MINN 55455 Multivariate analysis of saliva antimicrobial proteins (humans)

R01DE-07244-02 (OBM) FISHER, SUSAN J, UNIVERSITY OF CALIFORNIA, DIV OF ORAL BIOLOGY HSW 604 , SAN FRANCISCO, CALIF 94143 Molecular mechanisms of bacterial adherence to cementum (human, cattle)

R23DE-07245-01 (OBM) WINKLER, JAMES R, DIV OF PERIODONTOLOGY HSW-604, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, CA 94143 PMN subpopulations--Role in periodontal disease (humans)

R23DE-07256-03 (OBM) LANTZ, MARILYN S, UAB SCHOOL OF DENTISTRY, UNIVERSITY STATION, BIRMINGHAM, ALA 35294 Attachment protein interaction with periodontal bacteria (mice)

R01DE-07257-03 (OBM) BURTON, JAMES A, UNIVERSITY HOSPITAL, 75 EAST NEWTON STREET, BOSTON, MASS 02118 IgA protease and dental caries

R01DE-07267-03 (OBM) HOLT, STANLEY C, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Periodontopathic bacteria--Chemical-biologic nature (animals)

R03DE-07271-01 (DSR) WALTERS, RAY A, UNIV OF MARYLAND AT BALTIMORE, 666 WEST BALTIMORE STREET, BALTIMORE, MD 21201 Evaluation of a vital pulpotomy procedure in teeth (humans)

R01DE-07272-01 (OBM) HOCK, JANET M, UNIV OF CONNECTICUT HLTH CTR , 263 FARMINGTON AVENUE, FARMINGTON, CT 06032 Hormonal regulation of bone growth in vivo (rabbits, rats)

R03DE-07284-01 (DSR) PARK, NO-HEE, SCHOOL OF DENTISTRY, CHS, UNIV OF CALIFORNIA, LOS ANGELE, LOS ANGELES, CALIF 90024 Role of prostaglandins in recurrent herpes (mice, rabbits)

R03DE-07285-01 (DSR) LAYMAN, DON L, LSU MEDICAL CENTER, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Endotoxin action in periodontal connective tissue cells (culture)

R03DE-07292-01 (DSR) BOWLES, WILLIAM H, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVENUE, DALLAS, TX 75246 Mucolytic agent as a potential plaque inhibitor

R03DE-07296-01 (DSR) GOLDBERG, ALLEN F, NORTHWESTERN UNIVERSITY, 311 E CHICAGO AVE, CHICAGO, IL 60611 New technique for cement biocompatibility

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

R03DE-07298-01 (DSR) BOACKLE, ROBERT J, MEDICAL UNIV OF SOUTH CAROLINA, 171 ASHLEY AVENUE, CHARLESTON, S C 29425 Low molecular weight salivary agglutinins

R03DE-07317-01 (DSR) LLOYD, WELDON S, BOSTON UNIVERSITY, 100 EAST NEWTON STREET, BOSTON, MA 02118 Ability of thiophenes to inhibit alveolar bone loss in vivo (hamsters, rats)

R23DE-07318-02 (OBM) GREGORY, RICHARD L, EMORY UNIVERSITY, 1462 CLIFTON RD, ATLANTA, GA 30322 Functional role of IgA antibodies to Streptococcus mutans (rabbits)

R01DE-07323-01 (OBM) PARK, NO-HEE, DEPT OF ORAL BIOLOGY, UNIV OF CALIFORNIA, LOS ANGELE, LOS ANGELES, CA 90024 Development of oral cancer in hamster buccal pouches (also rabbits)

R23DE-07325-01 (OBM) GERMAN, REBECCA Z, WASHINGTON UNIVERSITY, 4559 SCOTT AVENUE, ST LOUIS, MO 63110 Orofacial coordination during feeding

R23DE-07328-02 (OBM) GANTT, DAVID G, EMORY UNIVERSITY, 1462 CLIFTON ROAD, N E, ATLANTA, GA 30322 A quantitative study of lesion formation in animal models (also human)

R01DE-07332-02 (OBM) KORN, EDWARD L, AV-617, CHS, UCLA SCHOOL OF MEDICINE, LOS ANGELES, CA 90024 Analysis of utility of implants in craniofacial research

R01DE-07339-01 (OBM) BALISH, EDWARD, UNIV OF WISCONSIN MEDICAL SCH, 1300 UNIVERSITY AVENUE, MADISON, WI 53706 Oral candida in athymic mice--Stomatitis and glossitis

R01DE-07341-02 (OBM) HURLEY, THOMAS W, UNIVERSITY OF MISSOURI, ONE HOSPITAL DR, COLUMBIA, MO 65212 Second messenger function in exocrine glands (rats)

R01DE-07344-02 (OBM) GUINEY, DONALD G, UNIV OF CALIFORNIA, SAN DIEGO, 225 DICKINSON STREET, SAN DIEGO, CA 92103 Black-pigmented bacteroides--Drug resistance and virulence

R01DE-07347-02 (OBM) ROBERTS, DAVID, UNIVERSITY OF PENNSYLVANIA, 4001 SPRUCE STREET, PHILADELPHIA, PA 19104 Magnetic resonance characteristics of TMJ tissues (humans)

R23DE-07351-02 (OBM) SMITH, KATHLEEN K, BOX 3011, DUKE UNIV MEDICAL CTR, DURHAM, NC 27710 Morphological basis of tongue movement and control (mammals)

R01DE-07353-01 (BEM) GROSS, ALAN M, DEPT OF PSYCHOLOGY, EMORY UNIVERSITY, ATLANTA, GA 30322 Increasing orthodontic treatment compliance in children (human)

R01DE-07360-01 (EDC) MELNICK, MICHAEL, UNIVERSITY OF SOUTHERN CALIF , ANDRUS GERONOTOLOGY CENTER 325, LOS ANGELES, CA 90089-0191 Oral-facial clefts in China a family study

R23DE-07362-01 (OBM) BUCHANAN, JUDITH T, UNIVERSITY OF MISSISSIPPI 2500 NORTH STATE STREET, JACKSON, MS 39216 Phenytoin-responsive fibroblast subpopulations (human)

R01DE-07371-01 (OBM) EISENBERG, ARTHUR D, EASTMAN DENTAL CENTER, 625 ELMWOOD AVENUE, ROCHESTER, N Y 14620 Mechanism of fluoride resistance by cariogenic bacteria (rats)

R01DE-07374-02 (OBM) TAYLOR, DUANE F, UNIV OF N CAROLINA/CHAPEL HILL, DENTAL RESEARCH CENTER 210H , CHAPEL HILL, NC 27514 Effectiveness of dental clinical evaluation techniques (human)

R01DE-07375-02 (OBM) STOOKEY, GEORGE K, INDIANA UNIVERSITY SCH OF DENT, ORAL HEALTH RESEARCH INSTITUTE, INDIANAPOLIS, INDIANA 46202 Dietary factors and root caries in animals (hamsters)

R01DE-07376-02 (OBM) LAMSTER, IRA B, FAIRLEIGH DICKINSON UNIVERSITY, ORAL HEALTH RESEARCH CENTER , HACKENSACK, NEW JERSEY 07601 Biochemical profile for gingival crevicular fluid

R01DE-07378-02 (OBM) DEWHIRST, FLOYD E, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MASS 02115 Human osteoclast-activating factor (mice, rats)

R23DE-07380-01 (OBM) BYRD, KENNETH E, UNIV OF SOUTHERN CALIFORNIA , UNIVERSITY PARK , MC 0641, LOS ANGELES, CA 90089-0641 Effects of CNS lesions on mastication and skull form (rats)

R01DE-07381-02 (OBM) BILLINGS, RONALD J, EASTMAN DENTAL CENTER, 625 ELMWOOD AVENUE, ROCHESTER, N Y 14620 Prevalence of xerostomia--Relation to selected variables (human)

R23DE-07384-02 (OBM) DENBESTEN, PAMELA K, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MA 02115 Effects of chronic high fluoride on enamel development (rats)

R43DE-07387-01 (SSS) BREADS, PETER R, GREAT LAKES ORTHODONTICS, LTD, 199 FIRE TOWER DRIVE, TONAWANDA, N Y 14150 Complete orthodontic positioner elastic (COPE)

R23DE-07389-02 (OBM) TURNER, JOHN T, UNIV OF MISSOURI-COLUMBIA, M-517 MEDICAL SCIENCES BLDG , COLUMBIA, MO 65212 VIP receptors and submandibular gland function (rats)

R23DE-07391-02 (OBM) ANDERSON, LEIGH C, EMORY UNIVERSITY, 1462 CLIFTON ROAD N E, ATLANTA, GA 30322 Insulin and protein synthesis in the rat gland

R43DE-07402-01 (SSS) TANNERS, PAUL, ORAL HYGIENE SYSTEMS, 342 MADISON AVE , SUITE 1910 , NEW YORK, N Y 10173 Efficacy of a behavioral design for oral hygiene control (human)

R03DE-07407-01 (DSR) ARCHER, SANDRA Y, DEPT OF ORTHODONTICS, UNIV OF MARYLAND AT BALTIMORE , BALTIMORE, MD 21201 Periodontal regeneration--PDL cells in vitro (dogs)

R03DE-07419-01 (DSR) SAENGER, PAUL H, MONTEFIORE MEDICAL CENTER, 111 EAST 210TH STREET, BRONX, NY 10467 Growth hormone--Craniofacial malformations, sleep apnea (human)

R03DE-07422-01 (DSR) KANTOR, MEL L, U OF NORTH CAROLINA/CHAPEL HIL, SCHOOL OF DENTISTRY, CHAPEL HILL, NC 27514 Effect of film speed on radiographic diagnostic yield (human)

R03DE-07423-01 (DSR) ALLEN, CARL M, OHIO STATE UNIVERSITY, 305 WEST TWELFTH AVENUE, COLUMBUS, OH 43210-1241 Resolution of mucosal change in chronic candidiasis (rats)

R03DE-07428-01 (DSR) POTTER, ROSARIO H, INDIANA UNIV SCH OF DENTISTRY, 1121 WEST MICHIGAN STREET, INDIANAPOLIS, IN 46202 Twin half-sibs--A new genetic model for dental traits

R03DE-07429-01 (OBM) SCHMALSTIEG, FRANK C, JR, UNIV OF TEXAS MED BRANCH, DEPT OF PEDIATRICS, GALVESTON, TX 77550 Neutrophils and immune complexes in Behcet's syndrome (human)

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

R01DE-07431-09 (GMB) GAY, CAROL V, PENNSYLVANIA STATE UNIVERSITY, 618 MUELLER LABORATORY, UNIVERSITY PARK, PA 16802 Ultrastructual studies of mineralized tissue (chicks, rats)

R03DE-07439-01 (DSR) MESSER, HAROLD H, UNIVERSITY OF MINNESOTA, 515 DELAWARE STREET SE, MINNEAPOLIS, MN 55455 In vitro studies of intestinal fluoride absorption (dogs)

R01DE-07441-01 (OBM) POLLOCK, JERRY J, SUNY AT STONY BROOK, SCHOOL OF DENTAL MEDICINE, STONY BROOK, N Y 11794 Oral antifungal natural and synthetic histidine peptides (human)

R01DE-07444-01 (OBM) MARKS, SANDY C, JR, UNIV OF MASSACHUSETTS MED SCH, 55 LAKE AVENUE NORTH, WORCESTER, MA 01605 Tooth eruption and bone resorption (mice, rats)

R01DE-07451-01 (DSR) LEW, DANIEL, LSU-SHREVEPORT SCH OF MEDICINE, P O BOX 33932, SHREVEPORT, LA 71130-3932 Inducing osteogenesis in hydroxylapatite with DC current (dogs)

R01DE-07455-01 (OBM) STOOKEY, GEORGE K, INDIANA UNIV SCH OF DENTISTRY, 415 NORTH LANSING STREET, INDIANAPOLIS, INDIANA 46202 Prevention of root caries with fluoride (hamsters)

R23DE-07457-01 (OBM) DELANEY, JAYNE E, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TEX 78284 Periodontal microflora acquisition--Mother-infant studies (monkeys)

R01DE-07459-01 (OBM) SULIK, KATHLEEN K, UNIVERSITY OF NC / CHAPEL HILL, 108 SWING BUILDING 217H, CHAPEL HILL, N C 27514 Isotretinoin-induced craniofacial malformations (mice)

R23DE-07460-01 (OBM) PRICTON, JAMES R, UNIVERSITY OF MINNESOTA, 7-174 M MOOS TOWER, MINNEAPOLIS, MINN 55455 Longitudinal epidemeological study of TMJ disorders

R01DE-07464-01 (RNA) KIRCOS, LOUIS T, UNIV OF CALIF SAN FRANCISCO , MEDICAL SCIENCES BLDG RM S-616, SAN FRANCISCO, CA 94143 Low dose image receptors for intra oral dental radiography

R01DE-07466-01 (IMB) GASSER, DAVID L, UNIV OF PENNSYLVANIA/SCH MED , 196 MED LABS/G3, PHILADELPHIA, PA 19104 H-2-linked control of steroid susceptibilities (mice)

R01DE-07467-01 (OBM) SHULER, CHARLES F, OHIO STATE UNIVERSITY, 305 WEST TWELFTH AVENUE, COLUMBUS, OHIO 43210 Biochemistry of craniofacial epithelial differentiation (rats)

R13DE-07469-01 (SRC) MACKENZIE, IAN C, UNIVERSITY OF IOWA, DENTAL SCIENCE BLDG, RM N422A, IOWA CITY, IOWA 52242 Symposium on oral mucosal diseases

R23DE-07473-01 (OBM) DUNCAN, ROBERT L JR, EMORY UNIV SCH OF DENTISTRY, 1462 CLIFTON ROAD, N E , ATLANTA, GA 30322 Host processing of LPS in periodontitis (mice)

R01DE-07474-01 (OBM) CUTLER, LESLIE S, SCHOOL OF DENTAL MEDICINE, UNIV OF CONNECTICUT HLTH CTR , FARMINGTON, CONN 06032 Pathogenesis of experimental Sjogren's syndrome (rats)

R01DE-07481-01 (OBM) HASSELL, THOMAS M, UNIV OF MARYLAND AT BALTIMORE, 666 WEST BALTIMORE STREET, BALTIMORE, MD 21201 Gingival pathology elicited by cyclosporine-A (human)

R23DE-07489-01 (OBM) SIEFERT, MARK P, UNIVERSITY OF SOUTH DAKOTA, SCHOOL OF MEDICINE, VERMILLION, S D 57069 Pathogenesis of osteopetro-rickets in the toothless rat

R01DE-07493-01 (OBM) MARGOLIS, HENRY C, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MA 02115 Cariogenic potential of dental plaque fluid

R23DE-07496-01 (OBM) PRODULSKE, ANN, UNIVERSITY OF FLORIDA, BOX J-424 J H MILLER HLTH CTR , GAINESVILLE, FL 32610 Surface antigens of oral bacteruides gingivalis (rabbits)

R01DE-07497-01 (OBM) ZAMBON, JOSEPH J, SUNY AT BUFFALO, 222 FOSTER HALL / 3435 MAIN ST, BUFFALO, N Y 14214 Antigenic studies of a actinomycetemcomitans (human)

R01DE-07499-01 (OBM) BIXLER, DAVID, INDIANA UNIVERSITY, 1226 W MICHIGAN ST, INDIANAPOLIS, IN 46223 Quantitative study of the face in ectodermal dysplasia

R01DE-07502-01 (OBM) DENNISON, DAVID K, UNIV TEXAS HLTH SCI CENTER, DENTAL BRANCH, P O BOX 20068 , HOUSTON, TX 77225 ANUG--Immune responsiveness of lymphocytes and PMNs

P50DE-07509-01 (SSS) WHITSEL, BARRY L, UNIVERSITY OF NORTH CAROLINA , 151 MEDICAL RESEARCH BLDG 206H, CHAPEL HILL, N C 27514 Role of CNS adaptive mechanisms in orofacial sensation

P50DE-07509-01 0001 (SSS) VIERCK, CHARLES J. Role of CNS adaptive mechanisms in orofacial sensation--Sensory recovery after temporary loss of peripheral input (monkeys)

P50DE-07509-01 0002 (SSS) WHITSEL, BARRY L. Role of CNS adaptive mechanisms in orofacial sensation--Dynamic influences of somatosensory cortical neurons (monkeys)

P50DE-07509-01 0003 (SSS) HOLLINS, M. Role of CNS adaptive mechanisms in orofacial sensation--Central adaptation to cutaneous flutter-vibration in man

P50DE-07509-01 0004 (SSS) MAXINER, W. Role of CNS adaptive mechanisms in orofacial sensation--Somatosensory and cardiovascular responses to orofacial pain (human)

P50DE-07509-01 0005 (SSS) ESSICK, G K. Role of CNS adaptive mechanisms in orofacial sensation--Neural system sensitive components in cutaneous motion analysis (human)

R01DE-07512-01 (OBM) SOMERMAN, MARTHA J, UNIV OF MARYLAND DENTAL SCHOOL, 666 WEST BALTIMORE STREET, BALTIMORE, MD 21201 Regeneration of the periodontium--An in vitro study

R01DE-07514-02 (BEM) TUSK, DENNIS C, WESTERN PSYCHIATRIC INST/CLIN, 3811 O'HARA STREET, PITTSBURGH, PA 15213 TMJS/TMPDS--Evaluating structural and functional models (human)

R03DE-07519-01 (DSR) MC GLYNN, FRANCIS D, UNIVERSITY OF FLORIDA, BOX J-424 JHMHC, GAINESVILLE, FL 32610 Stress, malocclusion and masseter muscle activity

R43DE-07532-01 (SSS) GUMBS, RONALD W, GUMBS ASSOCIATES, INC, P O BOX 129, EAST BRUNSWICK, N J 08816 New restorative dental resins

R43DE-07539-01 (SBS) RANKIN, RAYMOND, CARCINEX, INC, 1450 ROLLINS ROAD, BURLINGAME, CA 94010 Immunohistochemical study of oral dysplasia and carcinoma (mice, human)

R43DE-07543-01 (SBS) COHEN, MURRAY S, EPOLIN, INC, 103 WASHINGTON STREET, MORRISTOWN, N J 07960 Dental restoratives from polymers that expand when cured

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

R03DE-07548-01 (DSR) PIESCO, NICHOLAS P, UNIVERSITY OF PITTSBURGH, SCHOOL OF DENTAL MEDICINE, PITTSBURGH, PA 15261 Gamma-glutamyltranspeptidase in tooth development (mice)

R03DE-07549-01 (DSR) BUCHANAN, WILLIAM, OHIO STATE UNIVERSITY, 305 WEST 12TH AVENUE, COLUMBUS, OH 43210-1241 Flow cytometric analyses of crevicular neutrophils (human)

R03DE-07550-01 (DSR) REINHARDT, RICHARD A, UNIVERSITY OF NEBRASKA MED CTR, COLLEGE OF DENTISTRY, LINCOLN, NEB 68583-0740 Lymphocyte subpopulations in periodontal tissues

R03DE-07552-01 (DSR) CHOMAYEB, AIDA A, HOWARD UNIVERSITY, 600 'W' STREET, N W , WASHINGTON, DC 20059 Evaluation of calcium phosphate as a root canal filling (monkeys)

R03DE-07553-01 (DSR) POTTER, ROSARIO H, INDIANA UNIV SCH OF DENTISTRY, 1121 WEST MICHIGAN STREET, INDIANAPOLIS, IND 46202 Family data for dental multifactorial genetic research

R23DE-07559-02 (CBY) GRAVES, DANA T, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Synthesis of a craniofacial wound healing factor (human)

R03DE-07560-01 (DSR) KINGHORN, A DOUGLAS, UNIV OF ILLINOIS AT CHICAGO , 833 SOUTH WOOD STREET, CHICAGO, IL 60612 Evaluation of natural sweeteners with mongolian gerbils

R03DE-07565-01 (DSR) MAYO, JOHN A, LSU MEDICAL CENTER - BOX 130 , 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119 Ecological competition among oral streps

R03DE-07568-01 (DSR) SEIBEL, WERNER, UNIV OF MARYLAND AT BALTIMORE, 666 W BALTIMORE STREET, BALTIMORE, MD 21201 Cyclosporine-A induced gingival overgrowth in beagles (dogs)

R03DE-07573-01 (DSR) TURNER, CLARA, UNIVERSITY OF FLORIDA, BOX J-444, JHMHC, GAINESVILLE, FL 32610 Sweat pore counts in ectodermal dysplasia and hypodontia

R03DE-07575-01 (DSR) STOUT, FRANK W, BOX J-447 JHMHC, UNIVERSITY OF FLORIDA, GAINESVILLE, FL 32610 Salivary HBsAg and periodontal disease

R03DE-07578-01 (DSR) SODERHOLM, KARL-JOHAN M, COLLEGE OF DENTISTRY, UNIVERSITY OF FLORIDA, GAINESVILLE, FL 32610 Stereogrammetric analysis of wear of composite

R03DE-07582-01 (DSR) BUCHANAN, JUDITH T, UNIVERSITY OF MISSISSIPPI, 2500 NORTH STATE STREET, JACKSON, MISS 39216-4505 Effect of cyclosporine on human gingival fibroblasts

R03DE-07587-01 (DSR) GREGORY, RICHARD L, EMORY UNIV SCH OF DENTISTRY , 1462 CLIFTON ROAD, N E, ATLANTA, GA 30322 Antibody responses to IgA1 and IgG protease

R03DE-07589-01 (DSR) WIDERA, G E, UNIV OF ILLINOIS AT CHICAGO , BOX 4348, CHICAGO, IL 60680 Retentive strength of a bonded resin-etched interface

R03DE-07591-01 (DSR) GREENBERG, GARY L, UNIV OF SOUTHERN CALIFORNIA , UNIVERSITY PARK - MC0641, LOS ANGELES, CA 90089-0641 Mast cells in periodontal inflammation (mice)

R03DE-07592-01 (DSR) FEINBERG, STEPHEN E, OHIO STATE UNIVERSITY, 305 WEST TWELFTH AVENUE, COLUMBUS, OH 43210-1241 Effect of ceramic grafts on tooth eruption (cats)

R03DE-07597-01 (DSR) SHEA, BRIAN T, NORTHWESTERN UNIVERSITY, 303 E CHICAGO AVENUE, CHICAGO, ILL 60611 Craniofacial growth in giant transgenic mice

R03DE-07598-01 (DSR) DILOTTO, GERARDO, COLUMBIA UNIVERSITY, 630 W 168TH ST, NEW YORK, NY 10032 The neurovascular relationship of the dental pulp (dogs)

R13DE-07603-01 (DSR) KREMENAK, CHARLES R, UNIVERSITY OF IOWA, N445 DENTAL SCIENCE BUILDING , IOWA CITY, IA 52242 Craniofacial surgery--Symposium on longterm results

R01DE-07606-01 (OBM) SCHENKEIN, HARVEY A, VIRGINIA COMMONWEALTH UNIV , DEPT OF PERIODONTICS, RICHMOND, VA 23298-0001 Complement and periodontal pathogenic microorganisms

R03DE-07611-01 (DSR) ROSENBLUM, MARC A, COLUMBIA UNIVERSITY, 630 WEST 168TH STREET, NEW YORK, N Y 10032 Fractographic analysis of dental porcelain

R23DE-07616-01 (OBM) BUCHANAN, WILLIAM, OHIO STATE UNIVERSITY, 305 WEST TWELFTH AVENUE, COLUMBUS, OHIO 43210-1241 Flow cytometric analysis of oral actinobacillus

R01DE-07617-01 (NLS) DONG, WILLIE K, UNIVERSITY OF WASHINGTON, DEPT OF ANESTHESIOLOGY, SEATTLE, WA 98195 Function and structure of intradental mechanoreceptors (cats)

P50DE-07618-01 (DSR) CLARK, GLENN T, UNIV OF CALIFORNIA, LOS ANGELE, CENTER FOR THE HEALTH SCIENCES, LOS ANGELES, CALIF 90024 Orofacial pain research center.

P50DE-07618-01 0001 (DSR) PAAK, NO-HEE. Orofacial pain research center--Herpes and nerve function (guinea pig, rabbit)

P50DE-07618-01 0002 (DSR) CLARK, GLENN T. Orofacial pain research center--Headache and muscle activity (human)

P50DE-07618-01 0003 (DSR) MC CREARY, CHARLES P. Orofacial pain research center--Psychosocial predictors of treatment (human)

P50DE-07618-01 0004 (DSR) GRAFF-RADFORD, STEVEN B. Orofacial pain research center--Post herpetic neuralgia (human)

P50DE-07618-01 0005 (DSR) PULLINGER, ANDREW G. Orofacial pain research center--Efficacy of TMJ radiographs (human)

R01DE-07620-02 (OBM) ALLEY, KEITH E, OHIO STATE UNIVERSITY, 305 W 12TH AVENUE, COLUMBUS, OHIO 43210 Neural aspects of craniofacial morphogenesis (frogs)

R01DE-07623-01 (OBM) AOBA, TAKAAKI, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MA 02115 Mechanisms for enamel mineralization (mammals)

R01DE-07625-01 (MBY) CIMENT, GARY S, OREGON HLTH SCIENCES UNIV, 3181 S W SAM JACKSON PARK RD , PORTLAND, OR 97201 Characterization of a neural crest-derived cDNA library (birds, rabbits)

R01DE-07630-01 (OBM) MARTINEZ, J RICARDO, UNIVERSITY OF MISSOURI, ONE HOSPITAL DRIVE, COLUMBIA, MO 65212 Modulation of salivary gland function by prostaglandins (rats)

R01DE-07637-01 (CBY) BARKA, TIBOR D, MT SINAI SCHOOL OF MEDICINE , ONE GUSTAVE L LEVY PLACE, NEW YORK, N Y 10029 Differentiation and growth of salivary glands (mice)

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

R01DE-07644-01 (OBM) OKABE, TORU, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVENUE, DALLAS, TX 75246 Evaluation of mercury release from dental amalgams

R01DE-07652-01 (OBM) OPPENHEIM, FRANK G, BOSTON UNIVERSITY MEDICAL CTR, 100 E NEWTON ST/ROOM G-03, BOSTON, MA 02118 Microbicidal salivary histidine-rich proteins (rabbits)

R01DE-07663-01 (NLS) JACQUIN, MARK F, N Y COLLEGE OF OSTEOPATHIC MED, OF THE N Y INST OF TECHNOLOGY , OLD WESTBURY, N Y 11568 Trigeminal second-order structure-function relationships (rats)

R01DE-07663-01 (OBM) MEDERS, MIRDZA E, 310 FOSTER HALL, SUNY AT BUFFALO, BUFFALO, NY 14214 Role of b gingivalis collagenase in disease (mice)

R01DE-07674-01 (OBM) MINKOFF, ROBERT, UNIV OF TEXAS HLTH SCI CTR, P.O. BOX 20068, HOUSTON, TX 77225 Analysis of primary palate formation (chick embryos)

R01DE-07675-01 (OBM) NIEDERMAN, RICHARD, FORSYTH DENTAL CENTER, 140 THE FENWAY, BOSTON, MA 02115 Periodontosis--A PMN actin dysfunction syndrome

R23DE-07677-01 (OBM) PROSTAK, KENNETH S, FORSYTH DENTAL CENTER, 140 FENWAY, BOSTON, MA 02115 Comparative vertebrate amelogenesis (cichlids, skates, rats)

R23DE-07679-01 (OBM) KAO, RICHARD T, U OF CALIFORNIA, SAN FRANCISCO, DEPT OF STOMATOLOGY, S738, SAN FRANCISCO, CA 94143 Role of osteogenic growth factor in bone healing (rabbits, rats)

R23DE-07681-02 (OBM) COCHRAN, DAVID L, VIRGINIA COMMONWEALTH UNIV , BOX 566, MCV STATION, RICHMOND, VA 23298 Cell growth and bone resorption in periodontal disease (rats, cattle)

R01DE-07686-02 (ALY) TAYLOR, CHRISTOPHER E, MEDICAL COLL OF PENNSYLVANIA , 3300 HENRY AVENUE, PHILADELPHIA, PA 19129 Regulation of antibody response to bacterial antigens (bacteria, mice)

P01DE-07687-05 (MSP) FAULKNER, JOHN A, UNIVERSITY OF MICHIGAN, 7775 MEDICAL SCIENCE II BLDG , ANN ARBOR, MICH 48109 Regeneration and transplantation of skeletal muscle

P01DE-07687-05 0001 (NSPB) ALEXROD, DANIEL. Regeneration and transplantation of skeletal muscle--Molecular dynamics of synapse formation in regenerating muscle (rats)

P01DE-07687-05 0002 (NSPB) BARALD, KATE F. Regeneration and transplantation of skeletal muscle--Synapse formation in regenerating muscle (rats).

P01DE-07687-05 0003 (NSPB) CARLSON, BRUCE M. Regeneration and transplantation of skeletal muscle--Reinnervation of skeletal muscle autografts (rats).

P01DE-07687-05 0004 (NSPB) FAULKNER, JOHN A. Regeneration and transplantation of skeletal muscle--Revascularization of skeletal muscle autografts (hamster, cat, dog, rats).

P01DE-07687-05 0005 (NSPB) GANS, CARL. Regeneration and transplantation of skeletal muscle--Electromyographic monitoring of autograft progress (cat, rat)

P01DE-07687-05 0006 (NSPB) JONES, GEORGE H. Regeneration and transplantation of skeletal muscle--Control of protein synthesis in regenerating muscle (rat).

P01DE-07687-05 0007 (NSPB) SCHWARTZ, JESSICA. Regeneration and transplantation of skeletal muscle--Hormonal regulation of muscle regeneration (rat)

P01DE-07687-05 0008 (NSPB) WHITE, TIMOTHY. Regeneration and transplantation of skeletal muscle--Adaptation of autografts to physical conditioning (rat)

P01DE-07687-05 9001 (NSPB) HANSEN-SMITH, FAY. Regeneration and transplantation of skeletal muscle--Morphology core

P01DE-07687-05 9002 (NSPB) FAULKNER, JOHN A. Regeneration and transplantation of skeletal muscle--Physiology core

R01DE-07689-01 (PHY) QUISSELL, DAVID O, DENTAL RESEARCH CTR, BOX C-285, UNIV OF COLORADO HLTH SCI CTR , DENVER, CO 80262 Regulation of submandibular mucin secretion (rabbits, rats, human tissue)

R43DE-07692-01 (SSS) BENEDICT, CHRISTINE V, BIO-POLYMERS, INC., 309 FARMINGTON AVENUE, FARMINGTON, CT 06032 Surface behavior of mussel adhesive protein and analogs

R01DE-07695-02 (OBM) CUSICK, CATHERINE G, TULANE UNIVERSITY MED CTR, 1430 TULANE AVENUE NEW ORLEANS, LA 70112 Organization of cortical tooth representations (monkeys)

R01DE-07696-02 (OBM) MOORE, PAUL A, UNIVERSITY OF PITTSBURGH, 541 SALK HALL, PITTSBURGH, PA 15261 Psychomotor impairment related to nitrous oxide exposure (human, rats).

R43DE-07700-01 (SSS) MILDE, FREDRIC L, ABIOMED, 33 CHERRY HILL DRIVE, DANVERS, MA 01923 Compton scatter tomography for maxillodental imaging

R43DE-07704-01 (SSS) PATEL, DINESH C, THERATECH, INC, 417 WAKARA WAY, ROOM 290, SALT LAKE CITY, UT 84108 Long acting polymer/fluoride mouthrinse

R43DE-07707-01 (SSS) STZBL, KENNETH R, BIOMEDICAL DEVELOPMENT CORP , 4204 GARDENDALE #102, SAN ANTONIO, TX 78229 Anti-calculus agents

R01DE-07713-05 (RAD) LURIE, ALAN G, DEPARTMENT OF ORAL DIAGNOSIS , UNIV OF CONNECTICUT HLTH CTR , FARMINGTON, CT 06032 Low-dose x-radiation effects on DNBA-DNA interactions

R03DE-07714-01 (DSR) RANKING, CHRISTOPHER A, JR, LOUISIANA STATE UNIVERSITY, 1100 FLORIDA AVENUE, NEW ORLEANS, LA 70119-2699 Biochemical responses in plaque fluid to reference foods

R03DE-07715-01 (DSR) SCHUSTER, GEORGE S, MEDICAL COLLEGE OF GEORGIA, 1120 FIFTEENTH STREET, AUGUSTA, GA 30912 Parvovirus associated craniofacial disturbances (hamsters, rats)

R03DE-07716-01 (DSR) PUNO, Y K ERIC, UNIV OF NEBRASKA MED CTR, 40TH AND HOLDREGE, LINCOLN, NE 68583 In vivo mercury and methyl mercury levels

R01DE-07718-01 (HSR) BADER, JAMES D, UNIVERSITY OF NORTH CAROLINA , BRAUER HALL, 211H, CHAPEL HILL, N C 27514 Professional education and patient periodontal health

R03DE-07723-01 (DSR) DOCHERTY, JOHN J, 101 SOUTH FREAR LABORATORY, PENNSYLVANIA STATE UNIVERSITY , UNIVERSITY PARK, PA 16802 The healthy oral cavity--Source of Epstein-Barr virus

PROJECT NO. REVIEW GROUP. INVESTIGATOR. ADDRESS. AND TITLE

R03DE-07724-01 (DSR) BENTLEY, CAROLYN, 196 DENTAL OFFICE BLDG 209H , UNIV OF NORTH CAROLINA AT CHAP, CHAPEL HILL, N C 27514 Microbial tests in the management of dental caries (human).

R03DE-07729-01 (DSR) KOULOURIDES, THEODORE, UNIV OF ALABAMA AT BIRMINGHAM, UNIVERSITY STATION, BIRMINGHAM, AL 35294 Biopsy technique for studying experimental enamel lesion (cattle)

R03DE-07733-01 (DSR) GRAVES, DANA T, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Generation of antiserum to PDGF synthetic peptides (rabbits).

R03DE-07736-01 (DSR) KORNMAN, KENNETH S, UNIV OF TEXAS HLTH SCI CTR, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Periodontal healing adjacent to artificial surfaces (dogs, monkeys).

R03DE-07740-01 (DSR) SAUNDERS, MICHELE J, UNIV OF TEXAS HLTH SCI CENTER, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Senior adult oral health, tobacco and alcohol use, and diabetes (human).

R03DE-07741-01 (DSR) BROWNSTEIN, CAROL N, UNIV OF TEXAS HLTH SCI CENTER, 7703 FLOYD CURL DRIVE, SAN ANTONIO, TX 78284 Periodontal treatments and recolonization of periodontal pockets (human, rabbit)

R03DE-07744-01 (DSR) DREYER, DUANE A, UNIVERSITY OF NORTH CAROLINA , DENTAL RESEARCH CTR BLDG 210-H, CHAPEL HILL, N C 27514 Evaluation of sensory loss after mandibular osteotomy (human).

R23DE-07746-01 (OBM) NIEKRASH, CHRISTINE E, VIRGINIA COMMONWEALTH UNIV, BOX 566, MCV STATION, RICHMOND, VA 23298 Non-invasive assessment of periodontal disease activity (monkeys).

R03DE-07747-01 (DSR) SHERIDAN, JOHN P, OHIO STATE UNIV HOSPITAL, 410 W 10TH AVE, COLUMBUS, OHIO 43210 Viral infection & salivary gland graft-vs host disease (mice, rats).

R01DE-07754-01 (OBM) MAREK, MIROSLAV I, GEORGIA INST OF TECHNOLOGY, SCH OF MATERIALS ENGINEERING , ATLANTA, GA 30332-0245 Dissolution of mercury from dental amalgams

R01DE-07755-01 (OBM) BAWDEN, JAMES W, DENTAL RESEARCH CTR 210H, U OF NORTH CAROLINA/CHAPEL HIL, CHAPEL HILL, N C 27514 Placental transfer of fluoride in the guinea pig.

R01DE-07760-01 (OBM) LOOMIS, RONALD E, S U N Y AT BUFFALO, 109-NMR FOSTER HALL, BUFFALO, N Y 14214 Conformation of dental salivary molecules (human)

R23DE-07761-01 (OBM) DECHOW, PAUL C, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVENUE, DALLAS, TX 75246 Functional effects of masticatory muscle lengthening (Macaca mulatta)

R01DE-07766-01 (CBY) DURBAN, ELISA M, UNIV OF TEXAS HLTH SCI CTR, P.O. BOX 20068, HOUSTON, TEX 77225 Salivary epithelial cells--Behavior and oncogene effects (mice).

R01DE-07787-01 (OBM) GRABER, THOMAS M, ADA HLTH FDN RESEARCH INST, 211 EAST CHICAGO AVENUE, CHICAGO, IL 60611 Functional orthopedic magnetic appliances (monkeys)

R23DE-07788-01 (OBM) VERNILLO, ANTHONY T, NEW YORK UNIVERSITY, 421 FIRST AVENUE, NEW YORK, NY 10010 Phenytoin action on gingival and bone cell metabolism (chicks, rats)

R01DE-07790-01 (OBM) GERMAINE, GREG R, UNIVERSITY OF MINNESOTA, 515 DELAWARE STREET, S E, MINNEAPOLIS, MN 55455 Bactericidal mechanism and adherence effects of lysozyme.

R23DE-07796-01 (OBM) SHIRNAME-MOSE, LATA, NEW YORK UNIVERSITY, 550 FIRST AVENUE, NEW YORK, N Y 10016 Identification of mutagens in smokeless tobacco

R01DE-07803-01 (OBM) BERTOLAMI, CHARLES N, MASSACHUSETTS GENERAL HOSPITAL, FRUIT STREET, BOSTON, MA 02114 Il-1/PDGF effects on oral wound fibroblast GAG synthesis (rabbits, mice).

R01DE-07806-01 (OBM) MACKERT, J RODWAY JR, MEDICAL COLLEGE OF GEORGIA, SCHOOL OF DENTISTRY, AUGUSTA, GA 30912-0059 Thermally induced changes in dental porcelain expansion

R43DE-07817-01 (SSS) CURRY, SEAN, VEXCEL CORPORATION, 2905 WILDERNESS PL., SUITE 201, BOULDER, CO 80301 A system to monitor mandibular movements in real time

R43DE-07819-01 (SSS) SCHWARTZ, DENNIS E, MICROPROBE CORPORATION, 1725 220TH ST SE, 104, BOTHELL, WA 98021 DNA probes for the diagnosis of periodontal pathogens

R43DE-07823-01 (SSS) ANDERSON, DAVID M, GENEX CORPORATION, 16020 INDUSTRIAL DRIVE, GAITHERSBURG, MD 20877 Microbial production of protein adhesive (mussels)

R43DE-07832-01 (SSS) MARKER, BERNARD C, GOLF MILL PROF. BLDG, SUITE 721, NILES, ILL 60648 New improved dental composites

R43DE-07835-01 (SSS) MARMIACCIO, PAUL J, FOSTER-MILLER, INC, 350 SECOND AVENUE, WALTHAM, MA 02254 Computer aided dentistry

R03DE-07837-01 (DSR) TAYLOR, SAMUEL E, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVENUE, DALLAS, TEX 75246 Local anesthetic toxicity--Effect of vasoconstrictors (mice)

R03DE-07838-01 (DSR) DALSTON, ROGER M, SCHOOL OF DENTISTRY 209H, UNIV OF NORTH CAROLINA, CHAPEL HILL, N C 27514 Phototransduction as a velopharyngeal biofeedback technique (human)

R03DE-07841-01 (DSR) LOCKER, DAVID, UNIVERSITY OF TORONTO, TORONTO, ONTARIO M5G 1G6, CANADA The prevalence of symptoms of T M disorders (human).

R13DE-07843-01 (NEUB) PUBOLS, LILLIAN M, GOOD SAMARITAN HOSP & MED CTR, 1120 N W 20TH AVENUE, PORTLAND, OREGON 97209 Symposium on effects of injury on somatosensory systems

R03DE-07846-01 (DSR) WEINSTEIN, PHILIP, COMMUNITY DENTISTRY, SM-35, UNIVERSITY OF WASHINGTON, SEATTLE, WA 98195 Discriminating dental fear using heart rate spectra (human)

R03DE-07851-01 (DSR) MEISLER, MIRIAM H, UNIV OF MICHIGAN MED SCH, 1500 E MEDICAL CENTER DR, ANN ARBOR, MI 48109-0618 Amylase regulation in human salivary glands

R03DE-07852-01 (DSR) ZIMMERMAN, ERNEST F, CHILDREN'S HOSP MEDICAL CENTER, ELLAND AND BETHESDA AVENUES , CINCINNATI, OH 45229 TCDD alteration in gene expression and cleft palate (mice)

R03DE-07855-01 (DSR) FRAZIER, P JEAN, UNIVERSITY OF MINNESOTA, 515 DELAWARE STREET S E, MINNEAPOLIS, MN 55455 Public knowledge and opinion--Fluorides/fluoridation (human)

R03DE-07856-01 (DSR) DANIELS, LACY, DEPARTMENT OF MICROBIOLOGY, UNIVERSITY OF IOWA, IOWA CITY, IA 52242 Methanogenic bacteria in subgingival dental plaque (human)

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PROJECT NO., REVIEW GROUP, INVESTIGATOR, ADDRESS, AND TITLE

R03DE-07863-01 (DSR) MARSHALL, SALLY J, NORTHWESTERN UNIVERSITY, 311 E CHICAGO AVE, CHICAGO, IL 60611 Characterization of a castable ceramic material.

R03DE-07870-01 (DSR) CIARLONE, ALFRED E, SCHOOL OF DENTISTRY, MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA 30912-3366 Tetracycline binding to dentin (human).

R03DE-07871-01 (DSR) CLEVINGER, BRIAN L, WASHINGTON UNIV SCH OF DENTAL, 4559 SCOTT AVENUE, ST LOUIS, MO 63110 Production of capnocytophaga specific monoclonal antibodies (mice).

R03DE-07877-01 (DSR) MILLER, FREDERICK M, SCH OF MEDICINE RM. 1115 A, UNIVERSITY OF LOUISVILLE, LOUISVILLE, KY 40292 Microcirculation of the hamster gingiva.

R03DE-07879-01 (DSR) SCHIFFMAN, ERIC L, UNIVERSITY OF MINNESOTA, 7-174 M MOOS TOWER, MINNEAPOLIS, MINN 55455 TMJ disorders--Diagnosis with examination (human).

R03DE-07880-01 (DSR) COCHRAN, DAVID L, VIRGINIA COMMONWEALTH UNIV, BOX 566, MCV STATION, RICHMOND, VA 23298-0001 Effects of proteoglycans on bone resorption (mice).

R03DE-07894-01 (DSR) CROMPTON, ALFRED W, HARVARD UNIVERSITY, 26 OXFORD ST, CAMBRIDGE, MA 02138 Morphological and biochemical studies of opossum enamel.

R03DE-07898-01 (DSR) FUKUSHIMA, ERCHI, LOVELACE MEDICAL FOUNDATION , 2425 RIDGECREST DRIVE, S E, ALBUQUERQUE, N MEX 87108 Spatially localized NMR of the oral cavity (human).

R01DE-07906-01 (CMS) ROSENFELD, JOEL P, NORTHWESTERN UNIVERSITY, 2021 SHERIDAN ROAD, EVANSTON, ILL 60201 Single neuronal activation by multiple opiate substrates (rats).

R03DE-07912-01 (DSR) BAILEY, L'TANYA J, UNC SCHOOL OF DENTISTRY 209H , UNIV OF NORTH CAROLINA CHAPEL , CHAPEL HILL, N C 27514 Carbon monoxide effects on cleft lip development in mice.

R03DE-07914-01 (DSR) MANGAN, DENNIS F, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVENUE, ROCHESTER, N Y 14642 Enhanced polyclonal B cell activation by PWM lysates (human)

R01DE-07916-07 (GMB) TAYLOR, ALAN N, BAYLOR COLLEGE OF DENTISTRY , 3302 GASTON AVENUE, DALLAS, TX 75246 Calcium binding proteins and calcium homeostasis (chickens).

R01DE-07930-01 (PBC) SCHWARTZ, STEPHEN A, CHICAGO MEDICAL SCHOOL, 3333 GREEN BAY ROAD, NORTH CHICAGO, IL 60064 Nuclear composition and organization for odontogenesis (rats).

R01DE-07943-01 (VB) BLOCK, TIMOTHY M, JEFFERSON MEDICAL COLLEGE, 1020 LOCUST STREET, PHILADELPHIA, PA 19107 Herpes virus sequences that inhibit gene transfection.

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R01DE-07978-01 (BBM) GROSS, ALAN M, DEFARTMENT OF PSYCHOLOGY, UNIVERSITY OF MISSISSIPPI, OXFORD, MS 38677 Increasing orthodontic treatment compliance in children (human).

R01DE-07986-01 (EDC) HUNT, RONALD J, UNIVERSITY OF NORTH CAROLINA , SCHOOL OF DENTISTRY 209H, CHAPEL HILL, N C 27514 Incidence and prevalence of root caries in the elderly (human).

R01DE-08007-01 (OBM) BLEIWEIS, ARNOLD S, UNIVERSITY OF FLORIDA, BASIC DENTAL SCIENCES, GAINESVILLE FL 32610 Membranes of the dental pathogen Streptococcus mutans (rabbits)

R23DE-08029-01 (OBM) MIYASAKI, KENNETH T, UNIV OF CALIFORNIA, LOS ANGELE, CTR FOR THE HEALTH SCIENCES , LOS ANGELES, CALIF 90024 Myeloperoxidase selective killing of oral bacteria (rabbits).

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R01DE-08108-01 (OBM) TABAK, LAWRENCE A, UNIVERSITY OF ROCHESTER, 601 ELMWOOD AVENUE, ROCHESTER, N Y 14642 Regulation of mucin-glycoprotein biosynthesis (rats, rabbits).

R23DE-08110-01 (OBM) WESTBURY, JOHN R, UNIVERSITY OF WISCONSIN, 1500 HIGHLAND AVENUE, MADISON, WI 53705-2280 Properties of motor units in human mandibular muscles.

R01DE-08112-01 (SRC) GREENSPAN, JOHN S, UNIVERSITY OF CALIFORNIA, BOX 0512, HSW 604, SAN FRANCISCO, CA 94143 Oral manifestations of the acquired immunodeficiency syndrome.

R01DE-08112-01 0001 (SRC) GREENSPAN, JOHN S. Oral manifestations of the acquired immunodeficiency syndrome--Oral soft tissue disease manifestations of AIDS virus infection (human).

R01DE-08112-01 0002 (SRC) ARMITAGE, GRAY C. Oral manifestations of the acquired immunodeficiency syndrome--Oral aspects of simian AIDS (Rhesus macaques).

R01DE-08112-01 9001 (SRC) GREENSPAN, JOHN S. Oral manifestations of the acquired immunodeficiency syndrome--Core--Data flow and management.

** SEE GLOSSARY OF ABBREVIATIONS for explanation of grant and contract number

ALAM, SYED Q R01DE06893-03
ALBINO, JUDITH E R01DE06154-04
ALEXROD, DANIEL P01DE07687-05 0001
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D	TERATOGENS	N01 ES45067-00
D	TERATOGENS	Y01 DE60001-00
G	TOXICOLOGY	N01 ES45067-00
G	TOXICOLOGY	Z01 DE00396-02
D	TRANSGLUTAMINASES *	Z01 DE00001-34
D	VACCINES	N01 DE12430-11

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RESEARCH PROJECTS BY SUBJECT

SUBJECT		NUMBER
D VACCINES	NO1	DE42551-04
B VIRUSES	NO1	DE62561-00

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INTRAMURAL RESEARCH PROJECTS WITH DOLLARS

NUMBER	AMOUNT
Z01 DE00001-34	152,029
Z01 DE00007-26	215,700
Z01 DE00009-25	389,753
Z01 DE00012-24	90,421
Z01 DE00024-20	354,685
Z01 DE00025-20	262,510
Z01 DE00028-19	141,775
Z01 DE00031-18	99,581
Z01 DE00034-18	249,843
Z01 DE00042-16	242,563
Z01 DE00043-16	149,687
Z01 DE00044-16	191,074
Z01 DE00046-15	313,318
Z01 DE00049-15	141,186
Z01 DE00061-15	225,057
Z01 DE00065-15	227,441
Z01 DE00070-14	45,540
Z01 DE00074-14	255,651
Z01 DE00088-13	233,207
Z01 DE00112-13	113,752
Z01 DE00132-12	160,909
Z01 DE00133-12	95,695
Z01 DE00134-12	457,717
Z01 DE00149-12	345,875
Z01 DE00157-11	307,342
Z01 DE00199-10	218,001
Z01 DE00204-10	254,500
Z01 DE00211-10	114,688
Z01 DE00212-10	114,113
Z01 DE00216-10	104,266
Z01 DE00230-10	367,211
Z01 DE00246-09	98,725
Z01 DE00250-09	287,251
Z01 DE00254-09	207,957
Z01 DE00273-08	229,658
Z01 DE00275-08	21,476
Z01 DE00276-08	119,289
Z01 DE00277-07	2,810
Z01 DE00282-07	28,540
Z01 DE00285-07	141,228
Z01 DE00286-07	56,628
Z01 DE00288-07	199,218
Z01 DE00290-07	223,710
Z01 DE00291-07	80,293

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INTRAMURAL RESEARCH PROJECTS WITH DOLLARS

NUMBER	AMOUNT
Z01 DE00310-06	129,172
Z01 DE00311-06	186,832
Z01 DE00329-05	64,428
Z01 DE00332-05	248,090
Z01 DE00336-05	210,061
Z01 DE00337-05	233,333
Z01 DE00341-05	114,071
Z01 DE00362-04	34,086
Z01 DE00366-04	146,671
Z01 DE00372-04	172,973
Z01 DE00373-04	65,326
Z01 DE00374-04	244,162
Z01 DE00376-03	127,032
Z01 DE00377-03	139,124
Z01 DE00378-03	69,085
Z01 DE00379-03	285,024
Z01 DE00380-03	151,496
Z01 DE00381-03	161,610
Z01 DE00382-03	122,908
Z01 DE00385-03	137,048
Z01 DE00386-03	50,653
Z01 DE00387-03	35,741
Z01 DE00388-03	8,433
Z01 DE00392-03	185,162
Z01 DE00394-02	129,291
Z01 DE00395-02	89,256
Z01 DE00396-02	71,653
Z01 DE00397-02	30,257
Z01 DE00399-02	159,610
Z01 DE00402-02	25,388
Z01 DE00403-02	360,047
Z01 DE00404-02	42,530
Z01 DE00405-02	115,084
Z01 DE00407-02	79,726
Z01 DE00408-02	114,723
Z01 DE00409-02	1,686
Z01 DE00410-02	102,244
Z01 DE00411-01	44,228
Z01 DE00412-01	289,499
Z01 DE00413-01	37,088
Z01 DE00414-01	75,580
Z01 DE00415-01	180,014
Z01 DE00416-01	67,156
Z01 DE00417-01	26,410

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INTRAMURAL RESEARCH PROJECTS WITH DOLLARS

	NUMBER	AMOUNT
Z01	DE00418-C1	33,751
Z01	DE00420-01	68,929
Z01	DE00421-01	344,753
Z01	DE00422-01	665,071
Z01	DE00423-01	884,321
Z01	DE00424-01	134,860
Z01	DE00425-01	105,247
Z01	DE00426-01	75,538
Z01	DE00427-01	235,156
	GRAND TOTAL	16,243,490

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INTRAMURAL RESEARCH PROJECTS BY PRINCIPAL INVESTIGATOR

INVESTIGATOR	NUMBER
AGELLI, MARIA	Z01 DE00397-02
BAUM, BRUCE J	Z01 DE00336-05
BENNETT, GARY J	Z01 DE00413-01
BENNETT, GARY J	Z01 DE00426-01
BRAHIM, JAIME S	Z01 DE00412-01
BRENNAN, MICHAEL J	Z01 DE00385-03
BROWN, FREDERICK J	Z01 DE00031-18
BROWN, KENNETH S	Z01 DE00024-20
BRUNELLE, JANET A	Z01 DE00403-02
BRUNELLE, JANET A	Z01 DE00420-01
CARLOS, JAMES P	Z01 DE00399-02
CHASSY, BRUCE M	Z01 DE00042-16
CHUNG, SOO IL	Z01 DE00049-15
CIARDI, JOSEPH E	Z01 DE00381-03
CISAR, JOHN O	Z01 DE00254-09
DIONNE, RAYMOND A	Z01 DE00286-07
DIONNE, RAYMOND A	Z01 DE00378-03
DONKERSLOOT, JACOB A	Z01 DE00043-16
DRISCOLL, WILLIAM S	Z01 DE00070-14
DRISCOLL, WILLIAM S	Z01 DE00277-07
DRISCOLL, WILLIAM S	Z01 DE00396-02
DUBNER, RONALD	Z01 DE00291-07
DUBNER, RONALD	Z01 DE00329-05
EANES, EDWARD D	Z01 DE00088-13
FIELD, RUTH B	Z01 DE00376-03
FISHER, LARRY W	Z01 DE00074-14
FOLK, JOHN E	Z01 DE00001-34
FOLK, JOHN E	Z01 DE00311-06
FOWLER, BRUCE O	Z01 DE00012-24
FOX, PHILIP C	Z01 DE00337-05
GRACELY, RICHARD H	Z01 DE00133-12
GRACELY, RICHARD H	Z01 DE00276-08
HAND, ARTHUR R	Z01 DE00028-19
HARGREAVES, KENNETH M	Z01 DE00132-12
HASCALL, VINCENT C	Z01 DE00134-12
HASSELL, JOHN R	Z01 DE00149-12
HEIFETZ, STANLEY B	Z01 DE00310-06
HYLDEN, JANICE L	Z01 DE00394-02
IADAROLA, MICHAEL J	Z01 DE00414-01
KENSHALO, JR., DANIEL R	Z01 DE00377-03
KINGMAN, ALBERT	Z01 DE00387-03
KINGMAN, ALBERT	Z01 DE00388-03
KINGMAN, ALBERT	Z01 DE00409-02
KINGMAN, ALBERT	Z01 DE00418-01

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INTRAMURAL RESEARCH PROJECTS BY PRINCIPAL INVESTIGATOR

INVESTIGATOR		NUMBER
KLEINMAN, HYNDA K	Z01	DE00230-10
KOLENBRANDER, PAUL E	Z01	DE00273-08
KOUSVELARI, ELENI E	Z01	DE00372-04
KRICHEVSKY, MICAH I	Z01	DE00044-16
LI, SHOU HUA	Z01	DE00402-02
LITTLE, WAYNE A	Z01	DE00416-01
LOE, HARALD	Z01	DE00410-02
LONDON, JACK P	Z01	DE00427-01
MARTIN, GEORGE R	Z01	DE00009-25
MARTIN, GEORGE R	Z01	DE00275-08
MAX, MITCHELL B	Z01	DE00366-04
MC CARTNEY FRANCIS, NANCY L	Z01	DE00424-01
MEDNIEKS, MAIJA I	Z01	DE00285-07
MIRTH, DALE B	Z01	DE00282-07
MIRTH, DALE B	Z01	DE00417-01
OLIVER, CONSTANCE	Z01	DE00199-10
PLUZNIK, DOV H	Z01	DE00374-04
PRABHAKAR, BELLUR S	Z01	DE00423-01
PUGA, ALVARO	Z01	DE00422-01
REDDI, A. HARIDARA	Z01	DE00204-10
ROBERTS, MICHAEL W	Z01	DE00332-05
ROBERTS, MICHAEL W	Z01	DE00362-04
ROBERTS, MICHAEL W	Z01	DE00395-02
ROBEY, PAMELA G	Z01	DE00380-03
ROBRISH, STANLEY A	Z01	DE00382-03
ROONEY, JAMES F	Z01	DE00421-01
RUDA, MARYANN T	Z01	DE00288-07
RUFF, MICHAEL F	Z01	DE00386-03
SANDBERG, ANN L	Z01	DE00061-15
SHERN, ROALD J	Z01	DE00112-13
SHERN, ROALD J	Z01	DE00408-02
SINGER, ELYSE J	Z01	DE00246-09
SIRAGANIAN, REUBEN P	Z01	DE00034-18
SIRAGANIAN, REUBEN P	Z01	DE00290-07
SMITH, PHILLIP D	Z01	DE00392-03
STILES, HORACE M	Z01	DE00404-02
STILES, HORACE M	Z01	DE00405-02
STILES, HORACE M	Z01	DE00407-02
THOMPSON, JOHN	Z01	DE00341-05
TORCHIA, DENNIS A	Z01	DE00157-11
TURNER, ROY J	Z01	DE00415-01
WAHL, LARRY M	Z01	DE00216-10
WAHL, SHARON M	Z01	DE00046-15
WALCZAK, CYNTHIA A	Z01	DE00250-09

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INVESTIGATOR		NUMBER
WEBBER, RICHARD L	Z01	DE00065-15
WEBBER, RICHARD L	Z01	DE00211-10
WEBBER, RICHARD L	Z01	DE00373-04
WEIFFENBACH, JAMES M	Z01	DE00212-10
WITTENBERGER, CHARLES L	Z01	DE00007-26
WOLFE, MARY D	Z01	DE00425-01
WRIGHT, WILLIAM E	Z01	DE00411-01
YAMADA, YOSHIHIKO	Z01	DE00025-20
YOUNG, MARIAN F	Z01	DE00379-03

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INTRAMURAL RESEARCH PROJECTS BY LABORATORY/BRANCH

LABORATORY/BRANCH	AMOUNT
BONE RESEARCH BRANCH	
Z01 DE00012-24	90,421
Z01 DE00074-14	255,651
Z01 DE00088-13	233,207
Z01 DE00134-12	457,717
Z01 DE00157-11	307,342
Z01 DE00204-10	254,500
Z01 DE00379-03	285,024
Z01 DE00380-03	151,496
	2,035,358
CLINICAL INVESTIGATIONS & PATIENT CARE BRANCH	
Z01 DE00212-10	114,113
Z01 DE00332-05	248,090
Z01 DE00336-05	210,061
Z01 DE00337-05	233,333
Z01 DE00362-04	34,086
Z01 DE00372-04	172,973
Z01 DE00395-02	89,256
Z01 DE00411-01	44,228
Z01 DE00412-01	289,499
Z01 DE00415-01	180,014
	1,615,653
DIAGNOSTIC SYSTEMS BRANCH	
Z01 DE00065-15	227,441
Z01 DE00211-10	114,688
Z01 DE00373-04	65,326
	407,455
DISEASE PREVENTION BRANCH	
Z01 DE00070-14	45,540
Z01 DE00112-13	113,752
Z01 DE00277-07	2,810
Z01 DE00282-07	28,540
Z01 DE00310-06	129,172
Z01 DE00396-02	71,653

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INTRAMURAL RESEARCH PROJECTS BY LABORATORY/BRANCH

LABORATORY/BRANCH	AMOUNT
DISEASE PREVENTION BRANCH	
Z01 DE00404-02	42,530
Z01 DE00405-02	115,084
Z01 DE00407-02	79,726
Z01 DE00408-02	114,723
Z01 DE00416-01	67,156
Z01 DE00417-01	26,410
	837,096
EPIDEMIOLOGY BRANCH	
Z01 DE00044-16	191,074
Z01 DE00250-09	287,251
Z01 DE00387-03	35,741
Z01 DE00388-03	8,433
Z01 DE00399-02	159,610
Z01 DE00402-02	25,388
Z01 DE00403-02	360,047
Z01 DE00409-02	1,686
Z01 DE00410-02	102,244
Z01 DE00418-01	33,751
Z01 DE00420-01	68,929
Z01 DE00425-01	105,247
	1,379,401
LAB OF DEVELOPMENTAL BIOLOGY AND ANOMALIES	
Z01 DE00009-25	389,753
Z01 DE00024-20	354,685
Z01 DE00025-20	262,510
Z01 DE00149-12	345,875
Z01 DE00230-10	367,211
Z01 DE00275-08	21,476
	1,741,510
LAB OF MICROBIOLOGY AND IMMUNOLOGY	
Z01 DE00007-26	215,700
Z01 DE00034-18	249,843
Z01 DE00042-16	242,563

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INTRAMURAL RESEARCH PROJECTS BY LABORATORY/BRANCH

LABORATORY/BRANCH	AMOUNT
LAB OF MICROBIOLOGY AND IMMUNOLOGY	
Z01 DE00043-16	149,687
Z01 DE00046-15	313,318
Z01 DE00061-15	225,057
Z01 DE00216-10	104,266
Z01 DE00254-09	207,957
Z01 DE00273-08	229,658
Z01 DE00290-07	223,710
Z01 DE00341-05	114,071
Z01 DE00374-04	244,162
Z01 DE00381-03	161,610
Z01 DE00382-03	122,908
Z01 DE00385-03	137,048
Z01 DE00386-03	50,653
Z01 DE00392-03	185,162
Z01 DE00397-02	30,257
Z01 DE00424-01	134,860
Z01 DE00427-01	235,156
	3,577,646
LAB OF ORAL BIOLOGY AND PHYSIOLOGY	
Z01 DE00001-34	152,029
Z01 DE00028-19	141,775
Z01 DE00049-15	141,186
Z01 DE00199-10	218,001
Z01 DE00285-07	141,228
Z01 DE00311-06	186,832
Z01 DE00376-03	127,032
	1,108,083
LABORATORY OF ORAL MEDICINE	
Z01 DE00421-01	344,753
Z01 DE00422-01	665,071
Z01 DE00423-01	884,321
	1,894,145
NEUROBIOLOGY AND ANESTHESIOLOGY BRANCH	
Z01 DE00031-18	99,581

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INTRAMURAL RESEARCH PROJECTS BY LABORATORY/BRANCH

LABORATORY/BRANCH	AMOUNT
NEUROBIOLOGY AND ANESTHESIOLOGY BRANCH	
Z01 DE00132-12	160,909
Z01 DE00133-12	95,695
Z01 DE00246-09	98,725
Z01 DE00276-08	119,289
Z01 DE00286-07	56,628
Z01 DE00288-07	199,218
Z01 DE00291-07	80,293
Z01 DE00329-05	64,428
Z01 DE00366-04	146,671
Z01 DE00377-03	139,124
Z01 DE00378-03	69,085
Z01 DE00394-02	129,291
Z01 DE00413-01	37,088
Z01 DE00414-01	75,580
Z01 DE00426-01	75,538
	1,647,143
GRAND TOTAL	16,243,490

FY86 INTRAMURAL RESEARCH PROJECTS BY LABORATORY/BRANCH

LABORATORY/BRANCH	TOTAL COST	MANYEARS	AVG. COST/MANYEAR
BONE RESEARCH BRANCH			
Z01 DE00012-24	90,421	1.10	82,200
Z01 DE00074-14	255,651	5.05	50,623
Z01 DE00088-13	233,207	3.05	76,461
Z01 DE00134-12	457,717	8.20	55,819
Z01 DE00157-11	307,342	4.45	69,065
Z01 DE00204-10	254,500	4.75	53,578
Z01 DE00379-03	285,024	4.80	59,380
Z01 DE00380-03	151,496	2.23	67,935
	2,035,358	33.63	60,522
CLINICAL INVESTIGATIONS & PATIENT CARE BRANCH			
Z01 DE00212-10	114,113	1.45	78,698
Z01 DE00332-05	248,090	3.00	82,696
Z01 DE00336-05	210,061	3.17	66,265
Z01 DE00337-05	233,333	4.64	50,287
Z01 DE00362-04	34,086	.50	68,172
Z01 DE00372-04	172,973	2.77	62,445
Z01 DE00395-02	89,256	1.05	85,005
Z01 DE00411-01	44,228	.70	63,182
Z01 DE00412-01	289,499	3.60	80,416
Z01 DE00415-01	180,014	2.95	61,021
	1,615,653	23.83	67,799
DIAGNOSTIC SYSTEMS BRANCH			
Z01 DE00065-15	227,441	2.90	78,427
Z01 DE00211-10	114,688	1.58	72,587
Z01 DE00373-04	65,326	.68	96,067
	407,455	5.16	78,964
DISEASE PREVENTION BRANCH			
Z01 DE00070-14	45,540	.57	79,894
Z01 DE00112-13	113,752	.91	125,002
Z01 DE00277-07	2,810	.08	35,125
Z01 DE00282-07	28,540	.23	124,086
Z01 DE00310-06	129,172	.84	153,776
Z01 DE00396-02	71,653	.47	152,453
Z01 DE00404-02	42,530	.48	88,604

FY86 INTRAMURAL RESEARCH PROJECTS BY LABORATORY/BRANCH

LABORATORY/BRANCH	TOTAL COST	MANYEARS	AVG. COST/MANYEAR
DISEASE PREVENTION BRANCH			
Z01 DE00405-02	115,084	1.24	92,809
Z01 DE00407-02	79,726	.57	139,870
Z01 DE00408-02	114,723	.70	163,890
Z01 DE00416-01	67,156	.71	94,585
Z01 DE00417-01	26,410	.27	97,814
	837,096	7.07	118,401
EPIDEMIOLOGY BRANCH			
Z01 DE00044-16	191,074	1.85	103,283
Z01 DE00250-09	287,251	2.27	126,542
Z01 DE00387-03	35,741	.35	102,117
Z01 DE00388-03	8,433	.05	168,660
Z01 DE00399-02	159,610	1.05	152,009
Z01 DE00402-02	25,388	.20	126,940
Z01 DE00403-02	360,047	4.00	90,011
Z01 DE00409-02	1,686	.01	168,600
Z01 DE00410-02	102,244	.77	132,784
Z01 DE00418-01	33,751	.20	168,755
Z01 DE00420-01	68,929	.40	172,322
Z01 DE00425-01	105,247	.80	131,558
	1,379,401	11.95	115,431
LAB OF DEVELOPMENTAL BIOLOGY AND ANOMALIES			
Z01 DE00009-25	389,753	8.53	45,692
Z01 DE00024-20	354,685	6.05	58,625
Z01 DE00025-20	262,510	8.20	32,013
Z01 DE00149-12	345,875	7.20	48,038
Z01 DE00230-10	367,213	5.97	61,509
Z01 DE00275-08	21,476	.15	143,173
	1,741,510	36.10	48,241
LAB OF MICROBIOLOGY AND IMMUNOLOGY			
Z01 DE00007-26	215,700	2.99	72,140
Z01 DE00034-18	249,843	5.40	46,267
Z01 DE00042-16	242,563	3.90	62,195
Z01 DE00043-16	149,687	2.00	74,843
Z01 DE00046-15	313,318	5.67	55,258

FY86 INTRAMURAL RESEARCH PROJECTS BY LABORATORY/BRANCH

LABORATORY/BRANCH	TOTAL COST	MANYEARS	AVG. COST/MANYEAR
LAB OF MICROBIOLOGY AND IMMUNOLOGY			
Z01 DE00061-15	225,057	3.32	67,788
Z01 DE00216-10	104,266	2.60	40,102
Z01 DE00254-09	207,957	3.30	63,017
Z01 DE00273-08	229,658	3.45	66,567
Z01 DE00290-07	223,710	2.80	79,896
Z01 DE00341-05	114,071	1.20	95,059
Z01 DE00374-04	244,162	3.55	68,778
Z01 DE00381-03	161,610	2.40	67,337
Z01 DE00382-03	122,908	1.20	102,423
Z01 DE00385-03	137,048	2.20	62,294
Z01 DE00386-03	50,653	1.00	50,653
Z01 DE00392-03	185,162	2.60	71,216
Z01 DE00397-02	30,257	1.05	28,816
Z01 DE00424-01	134,860	1.90	70,978
Z01 DE00427-01	235,156	3.15	74,652
	3,577,646	55.68	64,253
LAB OF ORAL BIOLOGY AND PHYSIOLOGY			
Z01 DE00001-34	152,029	3.69	41,200
Z01 DE00028-19	141,775	3.03	46,790
Z01 DE00049-15	141,186	2.92	48,351
Z01 DE00199-10	218,001	4.26	51,173
Z01 DE00285-07	141,228	2.41	58,600
Z01 DE00311-06	186,832	2.79	66,964
Z01 DE00376-03	127,032	2.78	45,694
	1,108,083	21.88	50,643
LABORATORY OF ORAL MEDICINE			
Z01 DE00421-01	344,753	4.89	70,501
Z01 DE00422-01	665,071	10.50	63,340
Z01 DE00423-01	884,321	17.27	51,205
	1,894,145	32.66	57,995
NEUROBIOLOGY AND ANESTHESIOLOGY BRANCH			
Z01 DE00031-18	99,581	1.00	99,581
Z01 DE00132-12	160,909	2.75	58,512
Z01 DE00133-12	95,695	1.45	65,996

FY86 INTRAMURAL RESEARCH PROJECTS BY LABORATORY/BRANCH

LABORATORY/BRANCH	TOTAL COST	MANYEARS	AVG. COST/MANYEAR
NEUROBIOLOGY AND ANESTHESIOLOGY BRANCH			
Z01 DE00246-09	98,725	1.45	68,086
Z01 DE00276-08	119,289	1.60	74,555
Z01 DE00286-07	56,628	1.60	35,392
Z01 DE00288-07	199,218	4.95	40,246
Z01 DE00291-07	80,293	1.35	59,476
Z01 DE00329-05	64,428	.75	85,904
Z01 DE00366-04	146,671	1.65	88,891
Z01 DE00377-03	139,124	3.60	38,645
Z01 DE00378-03	69,085	.70	98,692
Z01 DE00394-02	129,291	3.10	41,706
Z01 DE00413-01	37,088	1.50	24,725
Z01 DE00414-01	75,580	1.50	50,386
Z01 DE00426-01	75,538	2.20	34,335
	1,647,143	31.15	52,877
	16,243,490	259.11	62,689

* U.S. GOVERNMENT PRINTING OFFICE:1987-201-778:61143